

**SERIOUS AND SEVERE OZONE NONATTAINMENT AREAS:
INFORMATION ON EMISSIONS, CONTROL MEASURES
ADOPTED OR PLANNED AND OTHER AVAILABLE
CONTROL MEASURES**

November 24, 1999
*(referred to in the Federal Register actions as the
draft November 3, 1999 report)*
**Office of Air Quality Planning and Standards
U.S. Environmental Protection Agency
RTP, NC 27711**

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1.0 Purpose of Report

The purpose of this report is to provide information to State and local agencies to assist them in identifying additional control measures that can be adopted into their State implementation plans (SIPs). In November 1999, the U.S. Environmental Protection Agency (EPA) is proposing to approve attainment demonstrations for the following ten serious and severe ozone nonattainment areas:

Serious Areas

- ! Atlanta, GA
- ! Greater CT
- ! Springfield, MA
- ! Washington, DC

Severe Areas

- ! Baltimore, MD
- ! Chicago, IL
- ! Houston, TX
- ! Milwaukee, WI
- ! New York City Metro
- ! Philadelphia, PA

Many of these areas are located in States which will need to adopt additional control measures to support EPA's approval of their attainment demonstrations for these areas. The EPA is providing the information in this report specifically to help these States in the task of identifying and adopting the additional control measures. This document is not intended to recommend any particular control measure or emission reduction strategy.

The information is provided in four areas. First, the report contains detailed information on emissions for ozone precursor emissions of nitrogen oxides (NO_x) and volatile organic compounds (VOCs). Second, the report contains information on available control measures for emission sources of NO_x and VOCs. Third, the report includes information on Clean Air Act standards or guidance that EPA has issued in three areas: alternative control technology (ACT) documents, New Source Performance Standards (NSPS), and Maximum Achievable Control Technology (MACT) standards. These standards and guidance will help reduce VOCs and NO_x, which contributes to the ability of these areas to attain. Finally, the report includes information on the control measures these areas have adopted, or are planning to adopt, into their SIPs.

2.0 Emissions Information for Ten Ozone Nonattainment Areas

Attached are ten tables that provide emissions information for the ten ozone

nonattainment areas listed above. The information is from the National Emissions Trends inventory and is for 1996 and can be found online at the following site:
<http://www.pechan.com/emissions/>. For documentation procedures on this inventory, see:

- ! The National Air Pollutant Emission Trends Update, 1970-1997. This report presents the emissions data and a brief overview of the emission inventory development methodology. The document is located at: <http://www.epa.gov/ttn/chief/trends97/emtrnd.html>.
- ! The National Air Pollutant Emission Trends, Procedures Document 1900-1996. This document is designed to describe the methodology and procedures used to create the emission estimates presented in the 1997 Trends Report. It is located at: http://www.epa.gov/ttn/chief/ei_data.html#ETDP_____.

The following sections provide a brief overview of which first level, Tier1 source categories constitute 5 percent or more of the emissions inventory for each area for NO_x and VOC on an annual and ozone summer day (OSD) basis. The attached tables contain detailed Tier 3 information for each of these categories.

2.1 Atlanta, GA Nonattainment Area

The attached Table 1 contains the detailed Tier3 emissions inventory for Atlanta. The following four categories constitute five percent or more of that inventory:

- ! Fuel combustion electric utility (21 percent annual NO_x, 25 percent of OSD NO_x),
- ! Fuel combustion industrial (5 percent of OSD NO_x),
- ! Fuel combustion other (6 percent of annual NO_x),
- ! Solvent utilization (27 percent of annual VOC, 32 percent of OSD VOC),
- ! Highway vehicles (47 percent of annual VOC, 48 percent of annual NO_x, 43 percent of OSD VOC, 45 percent of OSD NO_x), and
- ! Off-highway (12 percent of annual VOC, 19 percent annual NO_x, 13 percent of OSD VOC, 21 percent of OSD NO_x).

2.2 Greater CT Nonattainment Area

The attached Table 2 contains the detailed Tier3 emissions inventory for Greater CT. The following five categories constitute five percent or more of that inventory:

- ! Fuel combustion electric utility (6 percent of annual NO_x, 9 percent of OSD NO_x),
- ! Fuel combustion industrial (8 percent of OSD NO_x),
- ! Fuel combustion other (25 percent of annual VOC, 9 percent of annual NO_x, 6 percent of OSD NO_x),
- ! Solvent utilization (26 percent of annual VOC, 38 percent of OSD VOC),
- ! Highway vehicles (32 percent of annual VOC, 62 percent of annual NO_x, 31 percent of

- ! OSD VOC, 53 percent of OSD NOx), and
- ! Off-highway (10 percent of annual VOC, 16 percent annual NOx, 19 percent of OSD VOC, 22 percent of OSD NOx).

2.3 Springfield, MA Nonattainment Area

The attached Table 3 contains the detailed Tier3 emissions inventory for Springfield. The following seven categories constitute five percent or more of that inventory:

- ! Fuel combustion electric utility (10 percent of annual NOx, 13 percent of OSD NOx),
- ! Fuel combustion industrial (5 percent of annual NOx, 6 percent of OSD NOx),
- ! Fuel combustion other (7 percent of annual VOC, 10 percent of annual NOx, 7 percent of OSD NOx),
- ! Solvent utilization (42 percent of annual VOC, 53 percent of OSD VOC),
- ! Storage and transport (9 percent of annual VOC),
- ! Highway vehicles (26 percent of annual VOC, 42 percent of annual NOx, 22 percent of OSD VOC, 37 percent of OSD NOx), and
- ! Off-highway (12 percent of annual VOC, 32 percent annual NOx, 17 percent of OSD VOC, 36 percent of OSD NOx).

2.4 Washington, DC Nonattainment Area

The attached Table 4 contains the detailed Tier3 emissions inventory for Washington. The following four categories constitute five percent or more of that inventory:

- ! Fuel combustion electric utility (28 percent of annual NOx, 29 percent of OSD NOx),
- ! Fuel combustion other (5 percent of annual VOC, 5 percent of annual NOx, 6 percent of OSD NOx),
- ! Solvent utilization (30 percent of annual VOC, 38 percent of OSD VOC),
- ! Storage and transport (5 percent of annual VOC),
- ! Highway vehicles (37 percent of annual VOC, 40 percent of annual NOx, 31 percent of OSD VOC, 35 percent of OSD NOx), and
- ! Off-highway (18 percent of annual VOC, 20 percent annual NOx, 23 percent of OSD VOC, 24 percent of OSD NOx).

2.5 Baltimore, MD Nonattainment Area

The attached Table 5 contains the detailed Tier3 emissions inventory for Baltimore. The following four categories constitute five percent or more of that inventory:

- ! Fuel combustion electric utility (37 percent of annual NOx, 39 percent of OSD NOx),
- ! Solvent utilization (29 percent of annual VOC, 36 percent of OSD VOC),
- ! Highway vehicles (38 percent of annual VOC, 34 percent of annual NOx, 30 percent of

- ! OSD VOC, 30 percent of OSD NOx), and
- ! Off-highway (19 percent of annual VOC, 15 percent annual NOx, 24 percent of OSD VOC, 18 percent of OSD NOx).

2.6 Chicago, IL Nonattainment Area

The attached Table 6 contains the detailed Tier3 emissions inventory for Chicago. The following six categories constitute five percent or more of that inventory:

- ! Fuel combustion electric utility (11 percent of annual NOx, 12 percent of OSD NOx),
- ! Fuel combustion industrial (9 percent of annual NOx, 10 percent of OSD NOx),
- ! Fuel combustion other (19 percent of annual NOx),
- ! Solvent utilization (43 percent of annual VOC, 47 percent of OSD VOC),
- ! Storage and transport (6 percent of annual VOC, 5 percent of OSD VOC),
- ! Highway vehicles (29 percent of annual VOC, 36 percent of annual NOx, 22 percent of OSD VOC, 37 percent of OSD NOx), and
- ! Off-highway (13 percent of annual VOC, 22 percent annual NOx, 17 percent of OSD VOC, 33 percent of OSD NOx).

2.7 Houston, TX Nonattainment Area

The attached Table 7 contains the detailed Tier3 emissions inventory for Houston. The following seven categories constitute five percent or more of that inventory:

- ! Fuel combustion electric utility (15 percent of annual NOx, 18 percent of OSD NOx),
- ! Fuel combustion industrial (23 percent of annual NOx, 22 percent of OSD NOx),
- ! Chemical & allied products mfg. (8 percent of annual VOC, 8 percent of OSD VOC),
- ! Petroleum and related industries (7 percent of annual VOC, 7 percent of OSD VOC),
- ! Solvent utilization (17 percent of annual VOC, 19 percent of OSD VOC),
- ! Storage and transport (15 percent of annual VOC, 14 percent of OSD VOC),
- ! Highway vehicles (29 percent of annual VOC, 20 percent of annual NOx, 26 percent of OSD VOC, 19 percent of OSD NOx), and
- ! Off-highway (14 percent of annual VOC, 37 percent annual NOx, 16 percent of OSD VOC, 36 percent of OSD NOx).

2.8 Milwaukee, WI Nonattainment Area

The attached Table 8 contains the detailed Tier3 emissions inventory for Milwaukee. The following six categories constitute five percent or more of that inventory:

- ! Fuel combustion electric utility (31 percent of annual NOx, 32 percent of OSD NOx),
- ! Fuel combustion industrial (5 percent of OSD NOx),
- ! Fuel combustion other (14 percent of annual NOx),

- ! Metals processing (76 percent of annual VOC, 72 percent of OSD VOC),
- ! Solvent utilization (11 percent of annual VOC, 13 percent of OSD VOC),
- ! Highway vehicles (7 percent of annual VOC, 35 percent of annual NOx, 6 percent of OSD VOC, 35 percent of OSD NOx), and
- ! Off-highway (15 percent annual NOx, 7 percent of OSD VOC, 24 percent of OSD NOx).

2.9 New York City Metro Nonattainment Area

The attached Table 9 contains the detailed Tier3 emissions inventory for New York. The following six categories constitute five percent or more of that inventory:

- ! Fuel combustion electric utility (9 percent of annual NOx, 12 percent of OSD NOx),
- ! Fuel combustion industrial (6 percent of annual NOx, 7 percent of OSD NOx),
- ! Fuel combustion other (18 percent of annual NOx),
- ! Solvent utilization (42 percent of annual VOC, 47 percent of OSD VOC),
- ! Storage and transport (7 percent of annual VOC, 6 percent of OSD VOC),
- ! Highway vehicles (28 percent of annual VOC, 41 percent of annual NOx, 22 percent of OSD VOC, 42 percent of OSD NOx), and
- ! Off-highway (13 percent of annual VOC, 23 percent annual NOx, 17 percent of OSD VOC, 32 percent of OSD NOx).

2.10 Philadelphia, PA Nonattainment Area

The attached Table 10 contains the detailed Tier3 emissions inventory for Philadelphia. The following six categories constitute five percent or more of that inventory:

- ! Fuel combustion electric utility (14 percent of annual NOx, 16 percent of OSD NOx),
- ! Fuel combustion industrial (10 percent of annual NOx, 11 percent of OSD NOx),
- ! Fuel combustion other (10 percent of annual NOx),
- ! Solvent utilization (34 percent of annual VOC, 40 percent of OSD VOC),
- ! Storage and transport (5 percent of annual VOC, 5 percent of OSD VOC),
- ! Waste disposal & recycling (5 percent of annual VOC, 5 percent of OSD VOC),
- ! Highway vehicles (33 percent of annual VOC, 42 percent of annual NOx, 26 percent of OSD VOC, 40 percent of OSD NOx), and
- ! Off-highway (12 percent of annual VOC, 21 percent annual NOx, 16 percent of OSD VOC, 27 percent of OSD NOx).

3.0 Available Control Measures

The attached Table 11 includes control measures which States may want to consider for adoption to help the ten serious and severe 1-hour areas demonstrate attainment. The list consists of:

- 1) VOC and NO_x emission sources with control measures for which EPA has not issued Clean Air Act standards or guidance.
- 2) VOC and NO_x emission sources with control measures which States already control at a reasonably available control technology (RACT) level.
- 3) Clean Air Act standards or guidance that EPA has issued in three areas: ACT documents, NSPS, and MACT standards.

In addition to Table 11, States can consult information on best available control technology (BACT) and lowest achievable emission rate (LAER) determinations that States have made for individual new sources. Information on BACT/LAER determinations is available through EPA's RACT/BACT/LAER Clearinghouse (RBLC) which may be accessed on EPA's web site on the internet at the following web address: <http://www.epa.gov/ttn/catc/>.

3.1 VOC and NO_x Emission Sources with Control Measures (a) for Which EPA Has Not Issued Clean Air Act Standards or Guidance or (b) Which States Already Control at a RACT Level

The EPA is providing this list because it contains measures which States may want to consider for adoption to help the serious and severe 1-hour areas demonstrate attainment. This list should be considered a starting point for finding additional control measures and not a comprehensive list of all possible measures which may be available. For purposes of the 1-hour attainment demonstrations, EPA is not suggesting that States evaluate each and every one of these measures. States are also not limited to this list of measures when evaluating or adopting additional control measures for the 1-hour attainment demonstrations. In addition, some of the measures identified are listed as voluntary. For these measures, areas may want to encourage citizen participation without necessarily making the measures mandatory.

In some cases, the measures appear to control an industry which is already well controlled. However, in these cases, the measure may recommend a tighter limit or a lower capacity cutoff that is common in current regulations. Such tighter limits may be feasible with modern technology and could provide an opportunity for increased pollution control compared to current practice. It is advised that readers check the source listed in the bibliography for a more in-depth description of the type of control technology which is being discussed.

The EPA has not investigated all of these measures to determine their cost effectiveness or technical feasibility. However, the fact that some type of governmental group has listed the measure shows that it has received some prior scrutiny. In some instances, States may have adopted these measures. In other cases, States may not have adopted these measures or some States may have adopted these measures at a different level of emission reduction than indicated in the table.

The list in Table 11 includes measures taken from twelve sources of measures compiled by governmental entities or governmental body associations. Details on these sources are provided

with Table 11. The descriptions given of each measure in the table are brief. Briefly, the sources of the measures are:

- 1) Arizona Department of Environmental Quality.
- 2) California's Air Resources Board.
- 3) California Federal Implementation Plan.
- 4) Illinois Environmental Protection Agency.
- 5) Office of Mobile Sources, EPA.
- 6) Office of Air Quality Planning and Standards, EPA.
- 7) Smart Growth Network.
- 8) South Coast Air Quality Management District.
- 9) STAPPA/ALAPCO.
- 10) Texas Natural Resources Conservation Commission.
- 11) EPA, TTN Website, Unified Air Toxics Website.
- 12) EPA, TTN Website, States' NO_x RACT Rules

3.2 Clean Air Act Standards or Guidance

Part of Table 11 consists of ACTs, NSPSs and MACT standards issued by EPA.

3.2.1 Alternative Control Technology Documents

Table 11 includes a list of ACT documents for VOC control which EPA has issued. The documents do not formally define RACT, but describe available measures that are technologically feasible along with the costs of control which States can adopt to satisfy RACT. (Unlike ACTs, control technique guidelines (CTGs) do define RACT, which the Clean Air Act requires ozone nonattainment areas to adopt.) Many States have adopted rules for these sources for which the ACT documents may identify an additional level of control. In other cases, States may not have adopted rules. Therefore, new State rules for these sources may provide an opportunity for additional VOC control for the 10 areas. Finally, the ACTs may provide control options for non-major sources not covered by RACT within these source categories.

Table 11 also provides a list of EPA's NO_x ACTs. A number of cost-effective techniques is described which give NO_x controls at more strict levels of controls than have been adopted by most States. Only some States have adopted rules for these sources. Therefore, new or more stringent State rules for these sources may provide an opportunity for additional NO_x control for the 10 areas. In addition to ACTs, some other relevant NO_x control reports are also listed.

3.2.2 New Source Performance Standards

Table 11 provides a list of EPA's NSPSs, which address the control of VOCs. In many cases, the NSPSs cover industries which were previously covered by CTGs, but the NSPS specifies a more stringent level of control. The more stringent level of control has been justified

by the fact that the NSPSs apply to new sources or significantly modified existing sources. The more stringent level was also justified because the more stringent control technology could be designed into the new installations at lower cost than the cost of applying the same level of control to existing sources. As control technology techniques have improved, some of the NSPS control levels may be applicable to existing sources at reasonable cost levels.

Generally, in many of the CTGs EPA recommends a control level that is about an 81 percent reduction in emissions from the uncontrolled emission levels. Often the NSPS level of control is 90 to 95 percent. Thus, the NSPS level would provide about an additional 10 percent control. This additional reduction is an area States may wish to investigate in deciding how to find additional emissions reductions for the 10 areas. However, the opportunity for additional control is not always available. For example, the automobile coating NSPS does not appear to be more stringent than the CTG due to transfer efficiencies that were specified in the NSPS. Finally, additional control may be obtained from existing sources by specifying a lower cutoff value for exemption from NSPS control.

3.2.3 Maximum Achievable Control Technology Standards

Table 11 also provides information on EPA's MACT standards. Many of these standards have been issued or are scheduled to be issued by November 2000. The MACT standards are designed to control hazardous air pollutants (HAPs). They are developed by examining the average of the best 12 percent of existing sources. In some cases, MACT levels of control have been set at the same level as CTGs. This is especially true for industries such as aerospace and shipbuilding surface coating for which the CTG and MACT standards were developed concurrently.

We are providing the MACT information because there may be some opportunities in three areas for additional VOC control for source categories subject to a MACT standard. First, since many HAPs are VOCs, a MACT standard may control all VOCs, including the VOCs which are also HAPs. This would usually be the case when an add-on control device such as an incinerator is used. In this case the MACT level of control, which would often be more stringent than the CTG level, would apply to the total VOC emissions. However, in some situations, such as coatings reformulation, the HAPs can be removed without affecting the other VOCs. For example, a source might choose to use a non-HAP solvent as a substitute for a previously used solvent that is classified as hazardous. The result of this substitution would be that the source would eliminate the HAPs without having to control the VOCs. To achieve greater VOC control, a State could write a rule that would control all VOCs to the same extent that the current MACT rule limits HAPs. Reducing the other VOCs may be an option States want to consider in evaluating where to find additional emissions reductions for the 10 areas.

Second, MACT standards may control to a more stringent level than RACT, as prescribed in a CTG. These higher levels of control could be applied to existing sources. Third, additional control may be obtained from existing sources by specifying a lower cutoff value for exemption

from MACT control.

4.0 Control Measures in the Ten Ozone Nonattainment Areas

The attached Table 12 contains a list of control measures that have been adopted in the SIPs (or will be adopted into the SIPs) by the States for the 10 nonattainment areas.

Table 1: Atlanta, GA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
FUEL COMB. ELEC. UTIL. Total						323	0.13%	1	0.15%	57,846	20.71%	201	25.15%
01	01	99	FUEL COMB. ELEC. UTIL.	Coal		320	0.12%	1	0.14%	57,677	20.65%	199	24.95%
01	02	99	FUEL COMB. ELEC. UTIL.	Oil		1	0.00%	0	0.00%	54	0.02%	0	0.00%
01	03	99	FUEL COMB. ELEC. UTIL.	Gas		2	0.00%	0	0.00%	115	0.04%	2	0.19%
01	04	99	FUEL COMB. ELEC. UTIL.	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	05	99	FUEL COMB. ELEC. UTIL.	Internal Combustion		0	0.00%	0	0.00%	0	0.00%	0	0.00%
FUEL COMB. INDUSTRIAL Total						234	0.09%	1	0.10%	11,334	4.06%	38	4.80%
02	01	99	FUEL COMB. INDUSTRIAL	Coal		3	0.00%	0	0.00%	371	0.13%	1	0.14%
02	02	99	FUEL COMB. INDUSTRIAL	Oil		9	0.00%	0	0.00%	1,193	0.43%	4	0.53%
02	03	99	FUEL COMB. INDUSTRIAL	Gas		99	0.04%	0	0.05%	4,524	1.62%	16	2.03%
02	04	99	FUEL COMB. INDUSTRIAL	Other		3	0.00%	0	0.00%	156	0.06%	0	0.05%
02	05	99	FUEL COMB. INDUSTRIAL	Internal Combustion		119	0.05%	0	0.05%	5,090	1.82%	16	2.04%
FUEL COMB. OTHER Total						5,355	2.07%	1	0.15%	16,486	5.90%	7	0.84%
03	01	99	FUEL COMB. OTHER	Commercial/Institutional Coal		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	02	99	FUEL COMB. OTHER	Commercial/Institutional Oil		5	0.00%	0	0.00%	274	0.10%	0	0.06%
03	03	99	FUEL COMB. OTHER	Commercial/Institutional Gas		63	0.02%	0	0.01%	1,772	0.63%	3	0.39%
03	04	99	FUEL COMB. OTHER	Misc. Fuel Comb. (Except Residential)		3	0.00%	0	0.00%	56	0.02%	0	0.02%
03	05	01	FUEL COMB. OTHER	Residential Wood	fireplaces	4,205	1.63%	1	0.11%	269	0.10%	0	0.01%
03	05	02	FUEL COMB. OTHER	Residential Wood	woodstoves	0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	05	99	FUEL COMB. OTHER	Residential Wood		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	06	99	FUEL COMB. OTHER	Residential Other		1,080	0.42%	0	0.03%	14,115	5.05%	3	0.36%
CHEMICAL & ALLIED PRODUCT MFG Total						385	0.15%	2	0.20%	0	0.00%	0	0.00%
04	01	01	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene oxide mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	02	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	phenol mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	03	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	terephthalic acid mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	04	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	05	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	charcoal mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	06	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi reactor	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	07	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	08	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi batch	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	09	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi air oxidation processes	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	10	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	99	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	02	99	CHEMICAL & ALLIED PRODUCT MFG	Inorganic Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	01	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polypropylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	02	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polyethylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	03	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polystyrene resins	115	0.04%	0	0.05%	0	0.00%	0	0.00%
04	03	04	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	synthetic fiber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	05	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	styrene/butadiene rubber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	06	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	leaks from polymer mfg.	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	99	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg		31	0.01%	0	0.02%	0	0.00%	0	0.00%
04	04	99	CHEMICAL & ALLIED PRODUCT MFG	Agricultural Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	05	01	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg	paint & varnish mfg	148	0.06%	1	0.09%	0	0.00%	0	0.00%
04	05	99	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	06	99	CHEMICAL & ALLIED PRODUCT MFG	Pharmaceutical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	01	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	02	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	printing ink mfg	9	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	03	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	fugitives unclassified	3	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	04	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black furnace: fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	99	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg		79	0.03%	0	0.03%	0	0.00%	0	0.00%
METALS PROCESSING Total						407	0.16%	2	0.20%	28	0.01%	0	0.04%
05	01	99	METALS PROCESSING	Non-Ferrous Metals Processing		407	0.16%	2	0.20%	26	0.01%	0	0.04%
05	02	01	METALS PROCESSING	Ferrous Metals Processing	coke oven door & topside leaks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	02	METALS PROCESSING	Ferrous Metals Processing	coke oven by-product plants	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	99	METALS PROCESSING	Ferrous Metals Processing		0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	03	99	METALS PROCESSING	Metals Processing NEC		0	0.00%	0	0.00%	2	0.00%	0	0.00%

Table 1: Atlanta, GA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
PETROLEUM & RELATED INDUSTRIES Total						575	0.22%	2	0.20%	0	0.00%	0	0.00%
06	01	99	PETROLEUM & RELATED INDUSTRIES	Oil & Gas Production		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	01	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	vacuum distillation	5	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	02	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	cracking units	1	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	03	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	process unit turnarounds	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	04	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	petroleum refinery fugitives	50	0.02%	0	0.02%	0	0.00%	0	0.00%
06	02	99	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries		509	0.20%	1	0.18%	0	0.00%	0	0.00%
06	03	99	PETROLEUM & RELATED INDUSTRIES	Asphalt Manufacturing		9	0.00%	0	0.01%	0	0.00%	0	0.00%
OTHER INDUSTRIAL PROCESSES Total						3,077	1.19%	9	1.19%	4,192	1.50%	13	1.57%
07	01	01	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	vegetable oil mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	02	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	whiskey fermentation: aging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	03	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	bakeries	849	0.33%	2	0.30%	0	0.00%	0	0.00%
07	01	99	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products		224	0.09%	1	0.09%	0	0.00%	0	0.00%
07	02	99	OTHER INDUSTRIAL PROCESSES	Textiles, Leather, & Apparel Products		169	0.07%	0	0.06%	0	0.00%	0	0.00%
07	03	99	OTHER INDUSTRIAL PROCESSES	Wood, Pulp & Paper, & Publishing Products		115	0.04%	0	0.05%	0	0.00%	0	0.00%
07	04	01	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	rubber tire mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	02	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	green tire spray	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	99	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products		1,220	0.47%	4	0.45%	0	0.00%	0	0.00%
07	05	99	OTHER INDUSTRIAL PROCESSES	Mineral Products		112	0.04%	0	0.04%	4,156	1.49%	12	1.55%
07	06	99	OTHER INDUSTRIAL PROCESSES	Machinery Products		0	0.00%	0	0.00%	35	0.01%	0	0.02%
07	07	99	OTHER INDUSTRIAL PROCESSES	Electronic Equipment		22	0.01%	0	0.01%	0	0.00%	0	0.00%
07	08	99	OTHER INDUSTRIAL PROCESSES	Transportation Equipment		83	0.03%	0	0.05%	0	0.00%	0	0.00%
07	09	99	OTHER INDUSTRIAL PROCESSES	Construction		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	10	99	OTHER INDUSTRIAL PROCESSES	Miscellaneous Industrial Processes		281	0.11%	1	0.14%	0	0.00%	0	0.00%
SOLVENT UTILIZATION Total						70,580	27.35%	251	32.40%	0	0.00%	0	0.00%
08	01	01	SOLVENT UTILIZATION	Degreasing	open top	428	0.17%	1	0.15%	0	0.00%	0	0.00%
08	01	02	SOLVENT UTILIZATION	Degreasing	conveyorized	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	01	03	SOLVENT UTILIZATION	Degreasing	cold cleaning	9	0.00%	0	0.00%	0	0.00%	0	0.00%
08	01	99	SOLVENT UTILIZATION	Degreasing		6,557	2.54%	24	3.03%	0	0.00%	0	0.00%
08	02	01	SOLVENT UTILIZATION	Graphic Arts	letterpress	66	0.03%	0	0.03%	0	0.00%	0	0.00%
08	02	02	SOLVENT UTILIZATION	Graphic Arts	flexographic	1,402	0.54%	5	0.65%	0	0.00%	0	0.00%
08	02	03	SOLVENT UTILIZATION	Graphic Arts	lithographic	281	0.11%	1	0.11%	0	0.00%	0	0.00%
08	02	04	SOLVENT UTILIZATION	Graphic Arts	gravure	411	0.16%	1	0.18%	0	0.00%	0	0.00%
08	02	99	SOLVENT UTILIZATION	Graphic Arts		2,725	1.06%	10	1.24%	0	0.00%	0	0.00%
08	03	01	SOLVENT UTILIZATION	Dry Cleaning	perchloroethylene	1,538	0.60%	6	0.71%	0	0.00%	0	0.00%
08	03	02	SOLVENT UTILIZATION	Dry Cleaning	petroleum solvent	2,663	1.03%	10	1.23%	0	0.00%	0	0.00%
08	03	99	SOLVENT UTILIZATION	Dry Cleaning		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	01	SOLVENT UTILIZATION	Surface Coating	industrial adhesives	5,622	2.18%	21	2.64%	0	0.00%	0	0.00%
08	04	02	SOLVENT UTILIZATION	Surface Coating	fabrics	226	0.09%	1	0.08%	0	0.00%	0	0.00%
08	04	03	SOLVENT UTILIZATION	Surface Coating	paper	489	0.19%	2	0.21%	0	0.00%	0	0.00%
08	04	04	SOLVENT UTILIZATION	Surface Coating	large appliances	21	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	05	SOLVENT UTILIZATION	Surface Coating	magnet wire	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	06	SOLVENT UTILIZATION	Surface Coating	autos & light trucks	3,898	1.51%	13	1.62%	0	0.00%	0	0.00%
08	04	07	SOLVENT UTILIZATION	Surface Coating	metal cans	1,540	0.60%	5	0.65%	0	0.00%	0	0.00%
08	04	08	SOLVENT UTILIZATION	Surface Coating	metal coil	1,238	0.48%	5	0.59%	0	0.00%	0	0.00%
08	04	09	SOLVENT UTILIZATION	Surface Coating	wood furniture	1,508	0.58%	6	0.74%	0	0.00%	0	0.00%
08	04	10	SOLVENT UTILIZATION	Surface Coating	metal furniture	430	0.17%	2	0.20%	0	0.00%	0	0.00%
08	04	11	SOLVENT UTILIZATION	Surface Coating	flatwood products	26	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	12	SOLVENT UTILIZATION	Surface Coating	plastic parts	392	0.15%	2	0.20%	0	0.00%	0	0.00%
08	04	13	SOLVENT UTILIZATION	Surface Coating	large ships	4	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	14	SOLVENT UTILIZATION	Surface Coating	aircraft	167	0.06%	1	0.08%	0	0.00%	0	0.00%
08	04	15	SOLVENT UTILIZATION	Surface Coating	misc. metal parts	1,196	0.46%	4	0.56%	0	0.00%	0	0.00%
08	04	16	SOLVENT UTILIZATION	Surface Coating	steel drums	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	17	SOLVENT UTILIZATION	Surface Coating	architectural	7,037	2.73%	25	3.25%	0	0.00%	0	0.00%
08	04	18	SOLVENT UTILIZATION	Surface Coating	traffic markings	1,463	0.57%	4	0.52%	0	0.00%	0	0.00%
08	04	19	SOLVENT UTILIZATION	Surface Coating	maintenance coatings	1,169	0.45%	4	0.55%	0	0.00%	0	0.00%
08	04	20	SOLVENT UTILIZATION	Surface Coating	railroad	107	0.04%	0	0.05%	0	0.00%	0	0.00%

Table 1: Atlanta, GA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
08	04	21	SOLVENT UTILIZATION	Surface Coating	auto refinishing	1,941	0.75%	7	0.95%	0	0.00%	0	0.00%
08	04	22	SOLVENT UTILIZATION	Surface Coating	machinery	229	0.09%	1	0.11%	0	0.00%	0	0.00%
08	04	23	SOLVENT UTILIZATION	Surface Coating	electronic & other electrical	772	0.30%	3	0.36%	0	0.00%	0	0.00%
08	04	24	SOLVENT UTILIZATION	Surface Coating	general	211	0.08%	1	0.11%	0	0.00%	0	0.00%
08	04	25	SOLVENT UTILIZATION	Surface Coating	miscellaneous	192	0.07%	1	0.07%	0	0.00%	0	0.00%
08	04	26	SOLVENT UTILIZATION	Surface Coating	thinning solvents	21	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	99	SOLVENT UTILIZATION	Surface Coating		3,626	1.40%	13	1.71%	0	0.00%	0	0.00%
08	05	01	SOLVENT UTILIZATION	Other Industrial	rubber & plastics mfg	450	0.17%	2	0.22%	0	0.00%	0	0.00%
08	05	99	SOLVENT UTILIZATION	Other Industrial		19	0.01%	0	0.01%	0	0.00%	0	0.00%
08	06	01	SOLVENT UTILIZATION	Nonindustrial	cutback asphalt	283	0.11%	2	0.21%	0	0.00%	0	0.00%
08	06	02	SOLVENT UTILIZATION	Nonindustrial	other asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	03	SOLVENT UTILIZATION	Nonindustrial	pesticide application	70	0.03%	0	0.03%	0	0.00%	0	0.00%
08	06	04	SOLVENT UTILIZATION	Nonindustrial	adhesives	5,038	1.95%	18	2.32%	0	0.00%	0	0.00%
08	06	05	SOLVENT UTILIZATION	Nonindustrial	consumer solvents	15,116	5.86%	54	6.98%	0	0.00%	0	0.00%
08	06	99	SOLVENT UTILIZATION	Nonindustrial		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	07	99	SOLVENT UTILIZATION	Solvent Utilization NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%
STORAGE & TRANSPORT Total						10,139	3.93%	28	3.63%	0	0.00%	0	0.00%
09	01	01	STORAGE & TRANSPORT	Bulk Terminals & Plants	fixed roof	405	0.16%	1	0.14%	0	0.00%	0	0.00%
09	01	02	STORAGE & TRANSPORT	Bulk Terminals & Plants	floating roof	257	0.10%	1	0.09%	0	0.00%	0	0.00%
09	01	03	STORAGE & TRANSPORT	Bulk Terminals & Plants	variable vapor space	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	04	STORAGE & TRANSPORT	Bulk Terminals & Plants	efr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	05	STORAGE & TRANSPORT	Bulk Terminals & Plants	ifr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	06	STORAGE & TRANSPORT	Bulk Terminals & Plants	underground tanks	21	0.01%	0	0.01%	0	0.00%	0	0.00%
09	01	07	STORAGE & TRANSPORT	Bulk Terminals & Plants	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	99	STORAGE & TRANSPORT	Bulk Terminals & Plants		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	06	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	07	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	08	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	09	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	variable vapor space gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	10	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	11	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage		6,753	2.62%	19	2.39%	0	0.00%	0	0.00%
09	03	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / splash	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: balanced / submerged	1,866	0.72%	5	0.67%	0	0.00%	0	0.00%
09	03	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: clean / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	marine vessel loading: gasoline & crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport		442	0.17%	1	0.16%	0	0.00%	0	0.00%
09	04	99	STORAGE & TRANSPORT	Service Stations: Stage I		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	05	99	STORAGE & TRANSPORT	Service Stations: Stage II		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	06	99	STORAGE & TRANSPORT	Service Stations: Breathing & Emptying		229	0.09%	1	0.08%	0	0.00%	0	0.00%
09	07	99	STORAGE & TRANSPORT	Organic Chemical Storage		164	0.06%	1	0.08%	0	0.00%	0	0.00%
09	08	99	STORAGE & TRANSPORT	Organic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	09	99	STORAGE & TRANSPORT	Inorganic Chemical Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	10	99	STORAGE & TRANSPORT	Inorganic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	11	99	STORAGE & TRANSPORT	Bulk Materials Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	12	99	STORAGE & TRANSPORT	Bulk Materials Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
WASTE DISPOSAL & RECYCLING Total						9,504	3.68%	26	3.39%	1,732	0.62%	5	0.62%
10	01	99	WASTE DISPOSAL & RECYCLING	Incineration		279	0.11%	1	0.13%	211	0.08%	1	0.09%
10	02	01	WASTE DISPOSAL & RECYCLING	Open Burning	industrial	566	0.22%	2	0.20%	113	0.04%	0	0.04%
10	02	02	WASTE DISPOSAL & RECYCLING	Open Burning	commercial/institutional	1,200	0.47%	3	0.43%	240	0.09%	1	0.08%
10	02	03	WASTE DISPOSAL & RECYCLING	Open Burning	residential	5,841	2.26%	16	2.07%	1,168	0.42%	3	0.40%

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TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
10	02	99	WASTE DISPOSAL & RECYCLING	Open Burning		0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	03	99	WASTE DISPOSAL & RECYCLING	POTW		1,420	0.55%	4	0.50%	0	0.00%	0	0.00%
10	04	99	WASTE DISPOSAL & RECYCLING	Industrial Waste Water		0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	05	99	WASTE DISPOSAL & RECYCLING	TSDF		104	0.04%	0	0.04%	0	0.00%	0	0.00%
10	06	99	WASTE DISPOSAL & RECYCLING	Landfills		95	0.04%	0	0.03%	0	0.00%	0	0.00%
10	07	99	WASTE DISPOSAL & RECYCLING	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
HIGHWAY VEHICLES Total						121,517	47.08%	332	42.76%	134,565	48.18%	360	45.13%
11	01	01	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	light-duty gas vehicles	64,200	24.87%	173	22.32%	58,388	20.91%	157	19.63%
11	01	02	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	motorcycles	674	0.26%	3	0.34%	213	0.08%	1	0.07%
11	01	99	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	02	01	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt1	24,446	9.47%	66	8.56%	21,964	7.86%	59	7.41%
11	02	02	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt2	21,161	8.20%	58	7.50%	15,510	5.55%	41	5.12%
11	02	99	HIGHWAY VEHICLES	Light-Duty Gas Trucks		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	03	99	HIGHWAY VEHICLES	Heavy-Duty Gas Vehicles		6,720	2.60%	20	2.57%	5,808	2.08%	15	1.89%
11	04	01	HIGHWAY VEHICLES	Diesels	hddv	3,939	1.53%	10	1.34%	31,736	11.36%	85	10.66%
11	04	02	HIGHWAY VEHICLES	Diesels	lddt	116	0.04%	0	0.04%	251	0.09%	1	0.09%
11	04	03	HIGHWAY VEHICLES	Diesels	lddv	261	0.10%	1	0.10%	696	0.25%	2	0.26%
11	04	99	HIGHWAY VEHICLES	Diesels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
OFF-HIGHWAY Total						30,561	11.84%	102	13.11%	51,711	18.52%	171	21.46%
12	01	01	OFF-HIGHWAY	Non-Road Gasoline	recreational	462	0.18%	2	0.23%	3	0.00%	0	0.00%
12	01	02	OFF-HIGHWAY	Non-Road Gasoline	construction	941	0.36%	3	0.43%	97	0.03%	0	0.04%
12	01	03	OFF-HIGHWAY	Non-Road Gasoline	industrial	252	0.10%	1	0.09%	110	0.04%	0	0.03%
12	01	04	OFF-HIGHWAY	Non-Road Gasoline	lawn & garden	14,175	5.49%	50	6.47%	743	0.27%	2	0.31%
12	01	05	OFF-HIGHWAY	Non-Road Gasoline	farm	8	0.00%	0	0.00%	2	0.00%	0	0.00%
12	01	06	OFF-HIGHWAY	Non-Road Gasoline	light commercial	3,945	1.53%	11	1.38%	361	0.13%	1	0.10%
12	01	07	OFF-HIGHWAY	Non-Road Gasoline	logging	12	0.00%	0	0.00%	0	0.00%	0	0.00%
12	01	08	OFF-HIGHWAY	Non-Road Gasoline	airport service	19	0.01%	0	0.01%	6	0.00%	0	0.00%
12	01	09	OFF-HIGHWAY	Non-Road Gasoline	recreational marine vessels	266	0.10%	1	0.16%	13	0.00%	0	0.01%
12	01	99	OFF-HIGHWAY	Non-Road Gasoline		4	0.00%	0	0.00%	0	0.00%	0	0.00%
12	02	01	OFF-HIGHWAY	Non-Road Diesel	recreational	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	02	02	OFF-HIGHWAY	Non-Road Diesel	construction	4,780	1.85%	17	2.22%	28,325	10.14%	102	12.77%
12	02	03	OFF-HIGHWAY	Non-Road Diesel	industrial	523	0.20%	1	0.18%	3,173	1.14%	9	1.08%
12	02	04	OFF-HIGHWAY	Non-Road Diesel	lawn & garden	351	0.14%	1	0.17%	1,670	0.60%	6	0.77%
12	02	05	OFF-HIGHWAY	Non-Road Diesel	farm	41	0.02%	0	0.02%	346	0.12%	1	0.16%
12	02	06	OFF-HIGHWAY	Non-Road Diesel	light commercial	325	0.13%	1	0.11%	2,083	0.75%	6	0.71%
12	02	07	OFF-HIGHWAY	Non-Road Diesel	logging	13	0.01%	0	0.00%	72	0.03%	0	0.02%
12	02	08	OFF-HIGHWAY	Non-Road Diesel	airport service	79	0.03%	0	0.03%	397	0.14%	1	0.14%
12	02	09	OFF-HIGHWAY	Non-Road Diesel	railway maintenance	12	0.00%	0	0.00%	55	0.02%	0	0.02%
12	02	99	OFF-HIGHWAY	Non-Road Diesel		1	0.00%	0	0.00%	7	0.00%	0	0.00%
12	03	99	OFF-HIGHWAY	Aircraft		4,033	1.56%	11	1.48%	4,756	1.70%	14	1.70%
12	04	01	OFF-HIGHWAY	Marine Vessels	coal	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	02	OFF-HIGHWAY	Marine Vessels	diesel	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	03	OFF-HIGHWAY	Marine Vessels	residual oil	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	04	OFF-HIGHWAY	Marine Vessels	gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	99	OFF-HIGHWAY	Marine Vessels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	05	99	OFF-HIGHWAY	Railroads		319	0.12%	1	0.12%	9,491	3.40%	29	3.59%
NATURAL SOURCES Total						0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	01	NATURAL SOURCES	Biogenic	vegetation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	99	NATURAL SOURCES	Biogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	02	99	NATURAL SOURCES	Geogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	03	99	NATURAL SOURCES	Miscellaneous		0	0.00%	0	0.00%	0	0.00%	0	0.00%
MISCELLANEOUS Total						5,449	2.11%	20	2.52%	1,374	0.49%	3	0.39%
14	01	99	MISCELLANEOUS	Agriculture & Forestry		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	01	MISCELLANEOUS	Other Combustion	structural fires	79	0.03%	0	0.03%	10	0.00%	0	0.00%
14	02	02	MISCELLANEOUS	Other Combustion	agricultural fires	84	0.03%	0	0.03%	0	0.00%	0	0.00%
14	02	03	MISCELLANEOUS	Other Combustion	slash/prescribed burning	4,883	1.89%	17	2.17%	1,280	0.46%	3	0.33%
14	02	04	MISCELLANEOUS	Other Combustion	forest wildfires	404	0.16%	2	0.29%	84	0.03%	0	0.06%

Table 1: Atlanta, GA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
14	02	99	MISCELLANEOUS	Other Combustion		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	03	99	MISCELLANEOUS	Catastrophic/Accidental Releases		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	04	99	MISCELLANEOUS	Repair Shops		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	05	99	MISCELLANEOUS	Health Services		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	06	99	MISCELLANEOUS	Cooling Towers		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	07	99	MISCELLANEOUS	Fugitive Dust		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total Total						258,105	100.00%	776	100.00%	279,267	100.00%	797	100.00%

OSD = Ozone Summer Day

Table 2: Greater Connecticut Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
FUEL COMB. ELEC. UTIL. Total						243	0.18%	1	0.29%	6,134	5.89%	28	8.74%
01	01	99	FUEL COMB. ELEC. UTIL.	Coal		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	02	99	FUEL COMB. ELEC. UTIL.	Oil		184	0.13%	1	0.20%	5,226	5.02%	22	7.07%
01	03	99	FUEL COMB. ELEC. UTIL.	Gas		28	0.02%	0	0.03%	674	0.65%	2	0.76%
01	04	99	FUEL COMB. ELEC. UTIL.	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	05	99	FUEL COMB. ELEC. UTIL.	Internal Combustion		31	0.02%	0	0.06%	233	0.22%	3	0.90%
FUEL COMB. INDUSTRIAL Total						187	0.14%	11	3.20%	4,106	3.94%	25	7.79%
02	01	99	FUEL COMB. INDUSTRIAL	Coal		0	0.00%	0	0.00%	2	0.00%	0	0.01%
02	02	99	FUEL COMB. INDUSTRIAL	Oil		16	0.01%	0	0.02%	1,838	1.76%	6	1.81%
02	03	99	FUEL COMB. INDUSTRIAL	Gas		36	0.03%	0	0.12%	1,350	1.30%	14	4.59%
02	04	99	FUEL COMB. INDUSTRIAL	Other		6	0.00%	0	0.00%	130	0.13%	0	0.12%
02	05	99	FUEL COMB. INDUSTRIAL	Internal Combustion		129	0.09%	11	3.06%	785	0.75%	4	1.27%
FUEL COMB. OTHER Total						34,623	25.06%	7	2.02%	9,734	9.34%	18	5.63%
03	01	99	FUEL COMB. OTHER	Commercial/Institutional Coal		11	0.01%	0	0.01%	3	0.00%	0	0.00%
03	02	99	FUEL COMB. OTHER	Commercial/Institutional Oil		36	0.03%	0	0.05%	1,473	1.41%	4	1.29%
03	03	99	FUEL COMB. OTHER	Commercial/Institutional Gas		11	0.01%	0	0.01%	481	0.46%	2	0.59%
03	04	99	FUEL COMB. OTHER	Misc. Fuel Comb. (Except Residential)		62	0.04%	1	0.15%	1,012	0.97%	8	2.66%
03	05	01	FUEL COMB. OTHER	Residential Wood	fireplaces	16,342	11.83%	3	0.84%	186	0.18%	0	0.01%
03	05	02	FUEL COMB. OTHER	Residential Wood	woodstoves	17,841	12.91%	3	0.91%	1,283	1.23%	0	0.07%
03	05	99	FUEL COMB. OTHER	Residential Wood		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	06	99	FUEL COMB. OTHER	Residential Other		320	0.23%	0	0.05%	5,295	5.08%	3	1.01%
CHEMICAL & ALLIED PRODUCT MFG Total						728	0.53%	2	0.58%	0	0.00%	0	0.00%
04	01	01	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene oxide mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	02	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	phenol mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	03	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	terephthalic acid mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	04	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	05	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	charcoal mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	06	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi reactor	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	07	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	08	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi batch	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	09	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi air oxidation processes	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	10	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	99	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	02	99	CHEMICAL & ALLIED PRODUCT MFG	Inorganic Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	01	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polypropylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	02	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polyethylene mfg	297	0.21%	1	0.23%	0	0.00%	0	0.00%
04	03	03	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polystyrene resins	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	04	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	synthetic fiber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	05	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	styrene/butadiene rubber	30	0.02%	0	0.02%	0	0.00%	0	0.00%
04	03	06	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	leaks from polymer mfg.	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	99	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg		42	0.03%	0	0.04%	0	0.00%	0	0.00%
04	04	99	CHEMICAL & ALLIED PRODUCT MFG	Agricultural Chemical Mfg		3	0.00%	0	0.00%	0	0.00%	0	0.00%
04	05	01	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg	paint & varnish mfg	5	0.00%	0	0.00%	0	0.00%	0	0.00%
04	05	99	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	06	99	CHEMICAL & ALLIED PRODUCT MFG	Pharmaceutical Mfg		350	0.25%	1	0.27%	0	0.00%	0	0.00%
04	07	01	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	02	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	printing ink mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	03	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	fugitives unclassified	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	04	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black furnace: fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	99	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
METALS PROCESSING Total						0	0.00%	0	0.00%	13	0.01%	0	0.01%
05	01	99	METALS PROCESSING	Non-Ferrous Metals Processing		0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	01	METALS PROCESSING	Ferrous Metals Processing	coke oven door & topside leaks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	02	METALS PROCESSING	Ferrous Metals Processing	coke oven by-product plants	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	99	METALS PROCESSING	Ferrous Metals Processing		0	0.00%	0	0.00%	13	0.01%	0	0.01%
05	03	99	METALS PROCESSING	Metals Processing NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 2: Greater Connecticut Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
PETROLEUM & RELATED INDUSTRIES Total						9	0.01%	0	0.02%	19	0.02%	0	0.04%
06	01	99	PETROLEUM & RELATED INDUSTRIES	Oil & Gas Production		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	01	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	vaccuum distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	02	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	cracking units	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	03	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	process unit turnarounds	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	04	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	petroleum refinery fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	99	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	03	99	PETROLEUM & RELATED INDUSTRIES	Asphalt Manufacturing		9	0.01%	0	0.02%	19	0.02%	0	0.04%
OTHER INDUSTRIAL PROCESSES Total						833	0.60%	3	0.80%	572	0.55%	2	0.50%
07	01	01	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	vegetable oil mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	02	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	whiskey fermentation: aging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	03	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	bakeries	476	0.34%	2	0.43%	0	0.00%	0	0.00%
07	01	99	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	02	99	OTHER INDUSTRIAL PROCESSES	Textiles, Leather, & Apparel Products		214	0.15%	1	0.24%	0	0.00%	0	0.00%
07	03	99	OTHER INDUSTRIAL PROCESSES	Wood, Pulp & Paper, & Publishing Products		74	0.05%	0	0.07%	6	0.01%	0	0.01%
07	04	01	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	rubber tire mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	02	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	green tire spray	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	99	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products		52	0.04%	0	0.04%	0	0.00%	0	0.00%
07	05	99	OTHER INDUSTRIAL PROCESSES	Mineral Products		16	0.01%	0	0.01%	567	0.54%	2	0.49%
07	06	99	OTHER INDUSTRIAL PROCESSES	Machinery Products		1	0.00%	0	0.00%	0	0.00%	0	0.00%
07	07	99	OTHER INDUSTRIAL PROCESSES	Electronic Equipment		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	08	99	OTHER INDUSTRIAL PROCESSES	Transportation Equipment		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	09	99	OTHER INDUSTRIAL PROCESSES	Construction		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	10	99	OTHER INDUSTRIAL PROCESSES	Miscellaneous Industrial Processes		0	0.00%	0	0.00%	0	0.00%	0	0.00%
SOLVENT UTILIZATION Total						36,234	26.23%	134	37.85%	8	0.01%	0	0.01%
08	01	01	SOLVENT UTILIZATION	Degreasing	open top	328	0.24%	1	0.26%	0	0.00%	0	0.00%
08	01	02	SOLVENT UTILIZATION	Degreasing	conveyorized	3	0.00%	0	0.00%	0	0.00%	0	0.00%
08	01	03	SOLVENT UTILIZATION	Degreasing	cold cleaning	86	0.06%	0	0.12%	0	0.00%	0	0.00%
08	01	99	SOLVENT UTILIZATION	Degreasing		6,838	4.95%	26	7.48%	0	0.00%	0	0.00%
08	02	01	SOLVENT UTILIZATION	Graphic Arts	letterpress	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	02	02	SOLVENT UTILIZATION	Graphic Arts	flexographic	36	0.03%	0	0.03%	0	0.00%	0	0.00%
08	02	03	SOLVENT UTILIZATION	Graphic Arts	lithographic	363	0.26%	1	0.32%	0	0.00%	0	0.00%
08	02	04	SOLVENT UTILIZATION	Graphic Arts	gravure	40	0.03%	0	0.04%	0	0.00%	0	0.00%
08	02	99	SOLVENT UTILIZATION	Graphic Arts		1,510	1.09%	4	1.11%	0	0.00%	0	0.00%
08	03	01	SOLVENT UTILIZATION	Dry Cleaning	perchloroethylene	15	0.01%	0	0.02%	0	0.00%	0	0.00%
08	03	02	SOLVENT UTILIZATION	Dry Cleaning	petroleum solvent	20	0.01%	0	0.02%	0	0.00%	0	0.00%
08	03	99	SOLVENT UTILIZATION	Dry Cleaning		9	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	01	SOLVENT UTILIZATION	Surface Coating	industrial adhesives	14	0.01%	0	0.02%	0	0.00%	0	0.00%
08	04	02	SOLVENT UTILIZATION	Surface Coating	fabrics	424	0.31%	2	0.44%	0	0.00%	0	0.00%
08	04	03	SOLVENT UTILIZATION	Surface Coating	paper	190	0.14%	1	0.20%	6	0.01%	0	0.01%
08	04	04	SOLVENT UTILIZATION	Surface Coating	large appliances	151	0.11%	1	0.15%	0	0.00%	0	0.00%
08	04	05	SOLVENT UTILIZATION	Surface Coating	magnet wire	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	06	SOLVENT UTILIZATION	Surface Coating	autos & light trucks	1,014	0.73%	4	1.10%	0	0.00%	0	0.00%
08	04	07	SOLVENT UTILIZATION	Surface Coating	metal cans	539	0.39%	2	0.59%	0	0.00%	0	0.00%
08	04	08	SOLVENT UTILIZATION	Surface Coating	metal coil	1,016	0.74%	4	1.11%	0	0.00%	0	0.00%
08	04	09	SOLVENT UTILIZATION	Surface Coating	wood furniture	905	0.66%	3	0.98%	0	0.00%	0	0.00%
08	04	10	SOLVENT UTILIZATION	Surface Coating	metal furniture	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	11	SOLVENT UTILIZATION	Surface Coating	flatwood products	135	0.10%	1	0.15%	0	0.00%	0	0.00%
08	04	12	SOLVENT UTILIZATION	Surface Coating	plastic parts	31	0.02%	0	0.02%	0	0.00%	0	0.00%
08	04	13	SOLVENT UTILIZATION	Surface Coating	large ships	293	0.21%	1	0.30%	0	0.00%	0	0.00%
08	04	14	SOLVENT UTILIZATION	Surface Coating	aircraft	514	0.37%	2	0.56%	0	0.00%	0	0.00%
08	04	15	SOLVENT UTILIZATION	Surface Coating	misc. metal parts	222	0.16%	1	0.23%	0	0.00%	0	0.00%
08	04	16	SOLVENT UTILIZATION	Surface Coating	steel drums	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	17	SOLVENT UTILIZATION	Surface Coating	architectural	4,429	3.21%	16	4.48%	0	0.00%	0	0.00%
08	04	18	SOLVENT UTILIZATION	Surface Coating	traffic markings	488	0.35%	3	0.81%	0	0.00%	0	0.00%
08	04	19	SOLVENT UTILIZATION	Surface Coating	maintenance coatings	976	0.71%	4	1.06%	0	0.00%	0	0.00%
08	04	20	SOLVENT UTILIZATION	Surface Coating	railroad	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 2: Greater Connecticut Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
08	04	21	SOLVENT UTILIZATION	Surface Coating	auto refinishing	438	0.32%	2	0.48%	0	0.00%	0	0.00%
08	04	22	SOLVENT UTILIZATION	Surface Coating	machinery	544	0.39%	2	0.56%	0	0.00%	0	0.00%
08	04	23	SOLVENT UTILIZATION	Surface Coating	electronic & other electrical	341	0.25%	1	0.37%	0	0.00%	0	0.00%
08	04	24	SOLVENT UTILIZATION	Surface Coating	general	201	0.15%	1	0.21%	2	0.00%	0	0.00%
08	04	25	SOLVENT UTILIZATION	Surface Coating	miscellaneous	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	26	SOLVENT UTILIZATION	Surface Coating	thinning solvents	547	0.40%	2	0.54%	0	0.00%	0	0.00%
08	04	99	SOLVENT UTILIZATION	Surface Coating		1,270	0.92%	5	1.47%	0	0.00%	0	0.00%
08	05	01	SOLVENT UTILIZATION	Other Industrial	rubber & plastics mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	05	99	SOLVENT UTILIZATION	Other Industrial		228	0.17%	1	0.21%	0	0.00%	0	0.00%
08	06	01	SOLVENT UTILIZATION	Nonindustrial	cutback asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	02	SOLVENT UTILIZATION	Nonindustrial	other asphalt	245	0.18%	4	1.02%	0	0.00%	0	0.00%
08	06	03	SOLVENT UTILIZATION	Nonindustrial	pesticide application	2,265	1.64%	14	3.95%	0	0.00%	0	0.00%
08	06	04	SOLVENT UTILIZATION	Nonindustrial	adhesives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	05	SOLVENT UTILIZATION	Nonindustrial	consumer solvents	9,567	6.92%	26	7.44%	0	0.00%	0	0.00%
08	06	99	SOLVENT UTILIZATION	Nonindustrial		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	07	99	SOLVENT UTILIZATION	Solvent Utilization NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%
STORAGE & TRANSPORT Total						3,795	2.75%	11	3.01%	0	0.00%	0	0.00%
09	01	01	STORAGE & TRANSPORT	Bulk Terminals & Plants	fixed roof	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	02	STORAGE & TRANSPORT	Bulk Terminals & Plants	floating roof	169	0.12%	1	0.15%	0	0.00%	0	0.00%
09	01	03	STORAGE & TRANSPORT	Bulk Terminals & Plants	variable vapor space	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	04	STORAGE & TRANSPORT	Bulk Terminals & Plants	effr with seals	4	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	05	STORAGE & TRANSPORT	Bulk Terminals & Plants	ifr with seals	91	0.07%	0	0.05%	0	0.00%	0	0.00%
09	01	06	STORAGE & TRANSPORT	Bulk Terminals & Plants	underground tanks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	07	STORAGE & TRANSPORT	Bulk Terminals & Plants	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	99	STORAGE & TRANSPORT	Bulk Terminals & Plants		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	effr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	06	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	effr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	07	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	08	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	09	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	variable vapor space gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	10	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	11	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage		537	0.39%	1	0.42%	0	0.00%	0	0.00%
09	03	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / splash	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: balanced / submerged	750	0.54%	2	0.59%	0	0.00%	0	0.00%
09	03	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: clean / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	marine vessel loading: gasoline & crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport		37	0.03%	0	0.03%	0	0.00%	0	0.00%
09	04	99	STORAGE & TRANSPORT	Service Stations: Stage I		300	0.22%	1	0.24%	0	0.00%	0	0.00%
09	05	99	STORAGE & TRANSPORT	Service Stations: Stage II		1,221	0.88%	3	0.98%	0	0.00%	0	0.00%
09	06	99	STORAGE & TRANSPORT	Service Stations: Breathing & Emptying		512	0.37%	1	0.41%	0	0.00%	0	0.00%
09	07	99	STORAGE & TRANSPORT	Organic Chemical Storage		173	0.13%	0	0.13%	0	0.00%	0	0.00%
09	08	99	STORAGE & TRANSPORT	Organic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	09	99	STORAGE & TRANSPORT	Inorganic Chemical Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	10	99	STORAGE & TRANSPORT	Inorganic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	11	99	STORAGE & TRANSPORT	Bulk Materials Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	12	99	STORAGE & TRANSPORT	Bulk Materials Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
WASTE DISPOSAL & RECYCLING Total						1,447	1.05%	5	1.38%	2,322	2.23%	7	2.25%
10	01	99	WASTE DISPOSAL & RECYCLING	Incineration		79	0.06%	0	0.07%	2,310	2.22%	7	2.24%
10	02	01	WASTE DISPOSAL & RECYCLING	Open Burning	industrial	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	02	WASTE DISPOSAL & RECYCLING	Open Burning	commercial/institutional	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	03	WASTE DISPOSAL & RECYCLING	Open Burning	residential	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	99	WASTE DISPOSAL & RECYCLING	Open Burning		49	0.04%	0	0.04%	10	0.01%	0	0.01%

Table 2: Greater Connecticut Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
10	03	99	WASTE DISPOSAL & RECYCLING	POTW		488	0.35%	2	0.53%	0	0.00%	0	0.00%
10	04	99	WASTE DISPOSAL & RECYCLING	Industrial Waste Water		151	0.11%	1	0.16%	0	0.00%	0	0.00%
10	05	99	WASTE DISPOSAL & RECYCLING	TSDF		0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	06	99	WASTE DISPOSAL & RECYCLING	Landfills		449	0.32%	1	0.39%	2	0.00%	0	0.00%
10	07	99	WASTE DISPOSAL & RECYCLING	Other		231	0.17%	1	0.18%	0	0.00%	0	0.00%
HIGHWAY VEHICLES Total						43,910	31.78%	110	31.05%	64,179	61.61%	166	52.72%
11	01	01	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	light-duty gas vehicles	22,597	16.35%	56	15.73%	28,040	26.92%	71	22.58%
11	01	02	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	motorcycles	230	0.17%	1	0.23%	105	0.10%	0	0.09%
11	01	99	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	02	01	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt1	9,180	6.64%	22	6.26%	10,588	10.16%	27	8.61%
11	02	02	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt2	7,688	5.56%	19	5.50%	7,458	7.16%	20	6.20%
11	02	99	HIGHWAY VEHICLES	Light-Duty Gas Trucks		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	03	99	HIGHWAY VEHICLES	Heavy-Duty Gas Vehicles		2,299	1.66%	7	1.89%	2,767	2.66%	7	2.29%
11	04	01	HIGHWAY VEHICLES	Diesels	hddv	1,764	1.28%	5	1.32%	14,809	14.22%	40	12.58%
11	04	02	HIGHWAY VEHICLES	Diesels	lddt	47	0.03%	0	0.04%	109	0.10%	0	0.10%
11	04	03	HIGHWAY VEHICLES	Diesels	lddv	106	0.08%	0	0.09%	303	0.29%	1	0.28%
11	04	99	HIGHWAY VEHICLES	Diesels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
OFF-HIGHWAY Total						14,128	10.23%	66	18.70%	16,977	16.30%	70	22.22%
12	01	01	OFF-HIGHWAY	Non-Road Gasoline	recreational	503	0.36%	2	0.69%	3	0.00%	0	0.01%
12	01	02	OFF-HIGHWAY	Non-Road Gasoline	construction	301	0.22%	1	0.39%	33	0.03%	0	0.04%
12	01	03	OFF-HIGHWAY	Non-Road Gasoline	industrial	226	0.16%	1	0.20%	109	0.10%	0	0.10%
12	01	04	OFF-HIGHWAY	Non-Road Gasoline	lawn & garden	6,646	4.81%	34	9.55%	358	0.34%	2	0.55%
12	01	05	OFF-HIGHWAY	Non-Road Gasoline	farm	10	0.01%	0	0.02%	3	0.00%	0	0.00%
12	01	06	OFF-HIGHWAY	Non-Road Gasoline	light commercial	1,626	1.18%	4	1.24%	166	0.16%	0	0.12%
12	01	07	OFF-HIGHWAY	Non-Road Gasoline	logging	19	0.01%	0	0.02%	0	0.00%	0	0.00%
12	01	08	OFF-HIGHWAY	Non-Road Gasoline	airport service	1	0.00%	0	0.00%	0	0.00%	0	0.00%
12	01	09	OFF-HIGHWAY	Non-Road Gasoline	recreational marine vessels	1,475	1.07%	10	2.92%	84	0.08%	1	0.19%
12	01	99	OFF-HIGHWAY	Non-Road Gasoline		3	0.00%	0	0.00%	0	0.00%	0	0.00%
12	02	01	OFF-HIGHWAY	Non-Road Diesel	recreational	6	0.00%	0	0.01%	22	0.02%	0	0.03%
12	02	02	OFF-HIGHWAY	Non-Road Diesel	construction	1,539	1.11%	7	2.04%	9,114	8.75%	43	13.54%
12	02	03	OFF-HIGHWAY	Non-Road Diesel	industrial	436	0.32%	1	0.40%	2,655	2.55%	9	2.75%
12	02	04	OFF-HIGHWAY	Non-Road Diesel	lawn & garden	126	0.09%	1	0.19%	600	0.58%	3	1.03%
12	02	05	OFF-HIGHWAY	Non-Road Diesel	farm	57	0.04%	0	0.09%	477	0.46%	3	0.82%
12	02	06	OFF-HIGHWAY	Non-Road Diesel	light commercial	134	0.10%	0	0.10%	860	0.83%	2	0.74%
12	02	07	OFF-HIGHWAY	Non-Road Diesel	logging	21	0.02%	0	0.02%	113	0.11%	0	0.10%
12	02	08	OFF-HIGHWAY	Non-Road Diesel	airport service	6	0.00%	0	0.00%	30	0.03%	0	0.03%
12	02	09	OFF-HIGHWAY	Non-Road Diesel	railway maintenance	8	0.01%	0	0.01%	41	0.04%	0	0.10%
12	02	99	OFF-HIGHWAY	Non-Road Diesel		6	0.00%	2	0.62%	991	0.95%	3	0.90%
12	03	99	OFF-HIGHWAY	Aircraft		767	0.56%	0	0.00%	0	0.00%	0	0.00%
12	04	01	OFF-HIGHWAY	Marine Vessels	coal	0	0.00%	0	0.07%	924	0.89%	3	0.80%
12	04	02	OFF-HIGHWAY	Marine Vessels	diesel	88	0.06%	0	0.00%	0	0.00%	0	0.00%
12	04	03	OFF-HIGHWAY	Marine Vessels	residual oil	0	0.00%	0	0.06%	0	0.00%	0	0.00%
12	04	04	OFF-HIGHWAY	Marine Vessels	gasoline	79	0.06%	0	0.00%	0	0.00%	0	0.00%
12	04	99	OFF-HIGHWAY	Marine Vessels		0	0.00%	0	0.05%	392	0.38%	1	0.38%
12	05	99	OFF-HIGHWAY	Railroads		43	0.03%	0	0.00%	0	0.00%	0	0.00%
NATURAL SOURCES Total						0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	01	NATURAL SOURCES	Biogenic	vegetation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	99	NATURAL SOURCES	Biogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	02	99	NATURAL SOURCES	Geogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	03	99	NATURAL SOURCES	Miscellaneous		0	0.00%	0	0.00%	0	0.00%	0	0.00%
MISCELLANEOUS Total						2,030	1.47%	4	1.10%	110	0.11%	0	0.10%
14	01	99	MISCELLANEOUS	Agriculture & Forestry		0	0.00%	2	0.43%	70	0.07%	0	0.06%
14	02	01	MISCELLANEOUS	Other Combustion	structural fires	548	0.40%	0	0.00%	0	0.00%	0	0.00%
14	02	02	MISCELLANEOUS	Other Combustion	agricultural fires	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	03	MISCELLANEOUS	Other Combustion	slash/prescribed burning	0	0.00%	0	0.01%	2	0.00%	0	0.00%
14	02	04	MISCELLANEOUS	Other Combustion	forest wildfires	9	0.01%	0	0.00%	0	0.00%	0	0.00%
14	02	99	MISCELLANEOUS	Other Combustion		0	0.00%	2	0.66%	0	0.00%	0	0.00%

Table 2: Greater Connecticut Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
14	03	99	MISCELLANEOUS	Catastrophic/Accidental Releases		1,471	1.06%	0	0.00%	0	0.00%	0	0.00%
14	04	99	MISCELLANEOUS	Repair Shops		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	05	99	MISCELLANEOUS	Health Services		2	0.00%	0	0.00%	0	0.00%	0	0.00%
14	06	99	MISCELLANEOUS	Cooling Towers		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	07	99	MISCELLANEOUS	Fugitive Dust		0	0.00%	0	0.01%	39	0.04%	0	0.03%
Total Total						138,167	100.00%	353	100.00%	104,174	100.00%	315	100.00%

OSD = Ozone Summer Day

Table 3: Springfield, MA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
FUEL COMB. ELEC. UTIL. Total						82	0.20%	0	0.30%	3,499	9.64%	14	13.35%
01	01	99	FUEL COMB. ELEC. UTIL.	Coal		11	0.03%	0	0.02%	2,031	5.60%	4	4.07%
01	02	99	FUEL COMB. ELEC. UTIL.	Oil		2	0.00%	0	0.00%	49	0.14%	0	0.03%
01	03	99	FUEL COMB. ELEC. UTIL.	Gas		4	0.01%	0	0.01%	121	0.33%	0	0.39%
01	04	99	FUEL COMB. ELEC. UTIL.	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	05	99	FUEL COMB. ELEC. UTIL.	Internal Combustion		64	0.16%	0	0.26%	1,297	3.58%	10	8.85%
FUEL COMB. INDUSTRIAL Total						117	0.29%	0	0.33%	1,901	5.24%	6	5.54%
02	01	99	FUEL COMB. INDUSTRIAL	Coal		0	0.00%	0	0.00%	466	1.29%	1	1.13%
02	02	99	FUEL COMB. INDUSTRIAL	Oil		11	0.03%	0	0.05%	601	1.66%	2	2.02%
02	03	99	FUEL COMB. INDUSTRIAL	Gas		16	0.04%	0	0.05%	634	1.75%	2	1.80%
02	04	99	FUEL COMB. INDUSTRIAL	Other		40	0.10%	0	0.11%	124	0.34%	0	0.34%
02	05	99	FUEL COMB. INDUSTRIAL	Internal Combustion		49	0.12%	0	0.12%	76	0.21%	0	0.25%
FUEL COMB. OTHER Total						2,657	6.62%	1	0.82%	3,735	10.30%	8	7.14%
03	01	99	FUEL COMB. OTHER	Commercial/Institutional Coal		18	0.05%	0	0.04%	139	0.38%	0	0.36%
03	02	99	FUEL COMB. OTHER	Commercial/Institutional Oil		11	0.03%	0	0.07%	598	1.65%	2	1.43%
03	03	99	FUEL COMB. OTHER	Commercial/Institutional Gas		24	0.06%	0	0.06%	544	1.50%	2	1.49%
03	04	99	FUEL COMB. OTHER	Misc. Fuel Comb. (Except Residential)		18	0.05%	0	0.05%	200	0.55%	1	0.59%
03	05	01	FUEL COMB. OTHER	Residential Wood	fireplaces	2,469	6.15%	0	0.42%	158	0.44%	0	0.03%
03	05	02	FUEL COMB. OTHER	Residential Wood	woodstoves	0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	05	99	FUEL COMB. OTHER	Residential Wood		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	06	99	FUEL COMB. OTHER	Residential Other		116	0.29%	0	0.17%	2,096	5.78%	3	3.24%
CHEMICAL & ALLIED PRODUCT MFG Total						99	0.25%	0	0.24%	2	0.01%	0	0.01%
04	01	01	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene oxide mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	02	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	phenol mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	03	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	terephthalic acid mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	04	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	05	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	charcoal mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	06	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi reactor	9	0.02%	0	0.02%	0	0.00%	0	0.00%
04	01	07	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi distillation	5	0.01%	0	0.01%	0	0.00%	0	0.00%
04	01	08	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi batch	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	09	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi air oxidation processes	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	10	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	99	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	02	99	CHEMICAL & ALLIED PRODUCT MFG	Inorganic Chemical Mfg		0	0.00%	0	0.00%	2	0.01%	0	0.01%
04	03	01	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polypropylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	02	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polyethylene mfg	17	0.04%	0	0.04%	0	0.00%	0	0.00%
04	03	03	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polystyrene resins	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	04	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	synthetic fiber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	05	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	styrene/butadiene rubber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	06	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	leaks from polymer mfg.	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	99	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg		46	0.12%	0	0.11%	0	0.00%	0	0.00%
04	04	99	CHEMICAL & ALLIED PRODUCT MFG	Agricultural Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	05	01	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg	paint & varnish mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	05	99	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg		14	0.03%	0	0.04%	0	0.00%	0	0.00%
04	06	99	CHEMICAL & ALLIED PRODUCT MFG	Pharmaceutical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	01	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	02	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	printing ink mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	03	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	fugitives unclassified	8	0.02%	0	0.02%	0	0.00%	0	0.00%
04	07	04	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black furnace: fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	99	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
METALS PROCESSING Total						2	0.00%	0	0.00%	3	0.01%	0	0.01%
05	01	99	METALS PROCESSING	Non-Ferrous Metals Processing		0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	01	METALS PROCESSING	Ferrous Metals Processing	coke oven door & topside leaks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	02	METALS PROCESSING	Ferrous Metals Processing	coke oven by-product plants	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	99	METALS PROCESSING	Ferrous Metals Processing		2	0.00%	0	0.00%	3	0.01%	0	0.01%
05	03	99	METALS PROCESSING	Metals Processing NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 3: Springfield, MA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
PETROLEUM & RELATED INDUSTRIES Total						5	0.01%	0	0.03%	8	0.02%	0	0.05%
06	01	99	PETROLEUM & RELATED INDUSTRIES	Oil & Gas Production		1	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	01	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	vaccuum distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	02	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	cracking units	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	03	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	process unit turnarounds	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	04	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	petroleum refinery fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	99	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	03	99	PETROLEUM & RELATED INDUSTRIES	Asphalt Manufacturing		4	0.01%	0	0.03%	8	0.02%	0	0.05%
OTHER INDUSTRIAL PROCESSES Total						445	1.11%	1	1.04%	30	0.08%	0	0.08%
07	01	01	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	vegetable oil mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	02	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	whiskey fermentation: aging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	03	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	bakeries	340	0.85%	1	0.80%	0	0.00%	0	0.00%
07	01	99	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products		78	0.20%	0	0.18%	0	0.00%	0	0.00%
07	02	99	OTHER INDUSTRIAL PROCESSES	Textiles, Leather, & Apparel Products		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	03	99	OTHER INDUSTRIAL PROCESSES	Wood, Pulp & Paper, & Publishing Products		22	0.06%	0	0.04%	0	0.00%	0	0.00%
07	04	01	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	rubber tire mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	02	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	green tire spray	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	99	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	05	99	OTHER INDUSTRIAL PROCESSES	Mineral Products		0	0.00%	0	0.00%	27	0.07%	0	0.07%
07	06	99	OTHER INDUSTRIAL PROCESSES	Machinery Products		4	0.01%	0	0.01%	3	0.01%	0	0.01%
07	07	99	OTHER INDUSTRIAL PROCESSES	Electronic Equipment		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	08	99	OTHER INDUSTRIAL PROCESSES	Transportation Equipment		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	09	99	OTHER INDUSTRIAL PROCESSES	Construction		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	10	99	OTHER INDUSTRIAL PROCESSES	Miscellaneous Industrial Processes		0	0.00%	0	0.00%	0	0.00%	0	0.00%
SOLVENT UTILIZATION Total						16,811	41.90%	62	52.73%	68	0.19%	0	0.13%
08	01	01	SOLVENT UTILIZATION	Degreasing	open top	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	01	02	SOLVENT UTILIZATION	Degreasing	conveyorized	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	01	03	SOLVENT UTILIZATION	Degreasing	cold cleaning	57	0.14%	0	0.14%	0	0.00%	0	0.00%
08	01	99	SOLVENT UTILIZATION	Degreasing		1,939	4.83%	7	5.93%	0	0.00%	0	0.00%
08	02	01	SOLVENT UTILIZATION	Graphic Arts	letterpress	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	02	02	SOLVENT UTILIZATION	Graphic Arts	flexographic	6	0.02%	0	0.02%	0	0.00%	0	0.00%
08	02	03	SOLVENT UTILIZATION	Graphic Arts	lithographic	105	0.26%	0	0.36%	0	0.00%	0	0.00%
08	02	04	SOLVENT UTILIZATION	Graphic Arts	gravure	6	0.02%	0	0.02%	0	0.00%	0	0.00%
08	02	99	SOLVENT UTILIZATION	Graphic Arts		1,350	3.37%	5	4.53%	0	0.00%	0	0.00%
08	03	01	SOLVENT UTILIZATION	Dry Cleaning	perchloroethylene	201	0.50%	1	0.62%	0	0.00%	0	0.00%
08	03	02	SOLVENT UTILIZATION	Dry Cleaning	petroleum solvent	332	0.83%	1	1.02%	0	0.00%	0	0.00%
08	03	99	SOLVENT UTILIZATION	Dry Cleaning		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	01	SOLVENT UTILIZATION	Surface Coating	industrial adhesives	1,646	4.10%	6	5.11%	0	0.00%	0	0.00%
08	04	02	SOLVENT UTILIZATION	Surface Coating	fabrics	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	03	SOLVENT UTILIZATION	Surface Coating	paper	277	0.69%	1	0.83%	0	0.00%	0	0.00%
08	04	04	SOLVENT UTILIZATION	Surface Coating	large appliances	54	0.13%	0	0.13%	0	0.00%	0	0.00%
08	04	05	SOLVENT UTILIZATION	Surface Coating	magnet wire	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	06	SOLVENT UTILIZATION	Surface Coating	autos & light trucks	9	0.02%	0	0.03%	0	0.00%	0	0.00%
08	04	07	SOLVENT UTILIZATION	Surface Coating	metal cans	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	08	SOLVENT UTILIZATION	Surface Coating	metal coil	99	0.25%	0	0.30%	0	0.00%	0	0.00%
08	04	09	SOLVENT UTILIZATION	Surface Coating	wood furniture	93	0.23%	0	0.29%	0	0.00%	0	0.00%
08	04	10	SOLVENT UTILIZATION	Surface Coating	metal furniture	32	0.08%	0	0.10%	0	0.00%	0	0.00%
08	04	11	SOLVENT UTILIZATION	Surface Coating	flatwood products	6	0.01%	0	0.02%	0	0.00%	0	0.00%
08	04	12	SOLVENT UTILIZATION	Surface Coating	plastic parts	21	0.05%	0	0.07%	0	0.00%	0	0.00%
08	04	13	SOLVENT UTILIZATION	Surface Coating	large ships	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	14	SOLVENT UTILIZATION	Surface Coating	aircraft	3	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	15	SOLVENT UTILIZATION	Surface Coating	misc. metal parts	16	0.04%	0	0.07%	0	0.00%	0	0.00%
08	04	16	SOLVENT UTILIZATION	Surface Coating	steel drums	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	17	SOLVENT UTILIZATION	Surface Coating	architectural	1,663	4.14%	6	5.09%	0	0.00%	0	0.00%
08	04	18	SOLVENT UTILIZATION	Surface Coating	traffic markings	346	0.86%	1	0.81%	0	0.00%	0	0.00%
08	04	19	SOLVENT UTILIZATION	Surface Coating	maintenance coatings	304	0.76%	1	0.95%	0	0.00%	0	0.00%
08	04	20	SOLVENT UTILIZATION	Surface Coating	railroad	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 3: Springfield, MA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
08	04	21	SOLVENT UTILIZATION	Surface Coating	auto refinishing	795	1.98%	3	2.58%	0	0.00%	0	0.00%
08	04	22	SOLVENT UTILIZATION	Surface Coating	machinery	71	0.18%	0	0.22%	0	0.00%	0	0.00%
08	04	23	SOLVENT UTILIZATION	Surface Coating	electronic & other electrical	407	1.01%	1	1.26%	0	0.00%	0	0.00%
08	04	24	SOLVENT UTILIZATION	Surface Coating	general	100	0.25%	0	0.20%	0	0.00%	0	0.00%
08	04	25	SOLVENT UTILIZATION	Surface Coating	miscellaneous	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	26	SOLVENT UTILIZATION	Surface Coating	thinning solvents	534	1.33%	3	2.52%	3	0.01%	0	0.01%
08	04	99	SOLVENT UTILIZATION	Surface Coating		1,176	2.93%	4	3.69%	0	0.00%	0	0.00%
08	05	01	SOLVENT UTILIZATION	Other Industrial	rubber & plastics mfg	333	0.83%	1	1.06%	0	0.00%	0	0.00%
08	05	99	SOLVENT UTILIZATION	Other Industrial		16	0.04%	0	0.05%	65	0.18%	0	0.12%
08	06	01	SOLVENT UTILIZATION	Nonindustrial	cutback asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	02	SOLVENT UTILIZATION	Nonindustrial	other asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	03	SOLVENT UTILIZATION	Nonindustrial	pesticide application	50	0.12%	0	0.15%	0	0.00%	0	0.00%
08	06	04	SOLVENT UTILIZATION	Nonindustrial	adhesives	1,191	2.97%	4	3.64%	0	0.00%	0	0.00%
08	06	05	SOLVENT UTILIZATION	Nonindustrial	consumer solvents	3,572	8.90%	13	10.92%	0	0.00%	0	0.00%
08	06	99	SOLVENT UTILIZATION	Nonindustrial		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	07	99	SOLVENT UTILIZATION	Solvent Utilization NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%
STORAGE & TRANSPORT Total						3,719	9.27%	2	2.06%	5	0.01%	0	0.01%
09	01	01	STORAGE & TRANSPORT	Bulk Terminals & Plants	fixed roof	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	02	STORAGE & TRANSPORT	Bulk Terminals & Plants	floating roof	45	0.11%	0	0.11%	0	0.00%	0	0.00%
09	01	03	STORAGE & TRANSPORT	Bulk Terminals & Plants	variable vapor space	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	04	STORAGE & TRANSPORT	Bulk Terminals & Plants	efr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	05	STORAGE & TRANSPORT	Bulk Terminals & Plants	ifr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	06	STORAGE & TRANSPORT	Bulk Terminals & Plants	underground tanks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	07	STORAGE & TRANSPORT	Bulk Terminals & Plants	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	99	STORAGE & TRANSPORT	Bulk Terminals & Plants		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof crude	1	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	06	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	07	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	08	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	09	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	variable vapor space gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	10	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	11	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage		3	0.01%	0	0.01%	0	0.00%	0	0.00%
09	03	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / splash	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: balanced / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / submerged	8	0.02%	0	0.01%	0	0.00%	0	0.00%
09	03	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: clean / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	marine vessel loading: gasoline & crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport		29	0.07%	0	0.08%	0	0.00%	0	0.00%
09	04	99	STORAGE & TRANSPORT	Service Stations: Stage I		510	1.27%	2	1.49%	0	0.00%	0	0.00%
09	05	99	STORAGE & TRANSPORT	Service Stations: Stage II		2,972	7.41%	0	0.00%	0	0.00%	0	0.00%
09	06	99	STORAGE & TRANSPORT	Service Stations: Breathing & Emptying		23	0.06%	0	0.06%	0	0.00%	0	0.00%
09	07	99	STORAGE & TRANSPORT	Organic Chemical Storage		127	0.32%	0	0.30%	0	0.00%	0	0.00%
09	08	99	STORAGE & TRANSPORT	Organic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	09	99	STORAGE & TRANSPORT	Inorganic Chemical Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	10	99	STORAGE & TRANSPORT	Inorganic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	11	99	STORAGE & TRANSPORT	Bulk Materials Storage		0	0.00%	0	0.00%	5	0.01%	0	0.01%
09	12	99	STORAGE & TRANSPORT	Bulk Materials Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
WASTE DISPOSAL & RECYCLING Total						817	2.04%	3	2.53%	163	0.45%	0	0.45%
10	01	99	WASTE DISPOSAL & RECYCLING	Incineration		3	0.01%	0	0.01%	151	0.42%	0	0.42%
10	02	01	WASTE DISPOSAL & RECYCLING	Open Burning	industrial	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	02	WASTE DISPOSAL & RECYCLING	Open Burning	commercial/institutional	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	03	WASTE DISPOSAL & RECYCLING	Open Burning	residential	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	99	WASTE DISPOSAL & RECYCLING	Open Burning		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 3: Springfield, MA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
10	03	99	WASTE DISPOSAL & RECYCLING	POTW		631	1.57%	2	2.09%	0	0.00%	0	0.00%
10	04	99	WASTE DISPOSAL & RECYCLING	Industrial Waste Water		0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	05	99	WASTE DISPOSAL & RECYCLING	TSDF		8	0.02%	0	0.02%	6	0.02%	0	0.02%
10	06	99	WASTE DISPOSAL & RECYCLING	Landfills		172	0.43%	0	0.40%	0	0.00%	0	0.00%
10	07	99	WASTE DISPOSAL & RECYCLING	Other		2	0.01%	0	0.01%	6	0.02%	0	0.02%
HIGHWAY VEHICLES Total						10,333	25.76%	25	21.76%	15,296	42.17%	40	36.75%
11	01	01	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	light-duty gas vehicles	5,805	14.47%	14	12.22%	6,667	18.38%	17	15.77%
11	01	02	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	motorcycles	84	0.21%	0	0.26%	29	0.08%	0	0.07%
11	01	99	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	02	01	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt1	2,203	5.49%	5	4.48%	2,506	6.91%	6	5.92%
11	02	02	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt2	1,294	3.23%	3	2.63%	1,423	3.92%	4	3.40%
11	02	99	HIGHWAY VEHICLES	Light-Duty Gas Trucks		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	03	99	HIGHWAY VEHICLES	Heavy-Duty Gas Vehicles		338	0.84%	1	0.79%	644	1.77%	2	1.56%
11	04	01	HIGHWAY VEHICLES	Diesels	hddv	566	1.41%	1	1.27%	3,917	10.80%	10	9.74%
11	04	02	HIGHWAY VEHICLES	Diesels	lddt	13	0.03%	0	0.03%	29	0.08%	0	0.08%
11	04	03	HIGHWAY VEHICLES	Diesels	lddv	29	0.07%	0	0.07%	81	0.22%	0	0.22%
11	04	99	HIGHWAY VEHICLES	Diesels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
OFF-HIGHWAY Total						4,761	11.87%	20	17.10%	11,551	31.84%	39	36.41%
12	01	01	OFF-HIGHWAY	Non-Road Gasoline	recreational	214	0.53%	1	0.89%	1	0.00%	0	0.01%
12	01	02	OFF-HIGHWAY	Non-Road Gasoline	construction	76	0.19%	0	0.30%	8	0.02%	0	0.03%
12	01	03	OFF-HIGHWAY	Non-Road Gasoline	industrial	63	0.16%	0	0.17%	30	0.08%	0	0.08%
12	01	04	OFF-HIGHWAY	Non-Road Gasoline	lawn & garden	1,920	4.79%	10	8.24%	104	0.29%	0	0.46%
12	01	05	OFF-HIGHWAY	Non-Road Gasoline	farm	5	0.01%	0	0.02%	2	0.00%	0	0.01%
12	01	06	OFF-HIGHWAY	Non-Road Gasoline	light commercial	417	1.04%	1	0.96%	43	0.12%	0	0.09%
12	01	07	OFF-HIGHWAY	Non-Road Gasoline	logging	17	0.04%	0	0.04%	0	0.00%	0	0.00%
12	01	08	OFF-HIGHWAY	Non-Road Gasoline	airport service	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	01	09	OFF-HIGHWAY	Non-Road Gasoline	recreational marine vessels	204	0.51%	1	1.21%	12	0.03%	0	0.08%
12	01	99	OFF-HIGHWAY	Non-Road Gasoline		1	0.00%	0	0.00%	0	0.00%	0	0.00%
12	02	01	OFF-HIGHWAY	Non-Road Diesel	recreational	5	0.01%	0	0.02%	20	0.06%	0	0.09%
12	02	02	OFF-HIGHWAY	Non-Road Diesel	construction	387	0.96%	2	1.55%	2,293	6.32%	11	9.97%
12	02	03	OFF-HIGHWAY	Non-Road Diesel	industrial	128	0.32%	0	0.36%	775	2.14%	3	2.35%
12	02	04	OFF-HIGHWAY	Non-Road Diesel	lawn & garden	32	0.08%	0	0.15%	152	0.42%	1	0.77%
12	02	05	OFF-HIGHWAY	Non-Road Diesel	farm	32	0.08%	0	0.15%	265	0.73%	1	1.34%
12	02	06	OFF-HIGHWAY	Non-Road Diesel	light commercial	35	0.09%	0	0.08%	221	0.61%	1	0.56%
12	02	07	OFF-HIGHWAY	Non-Road Diesel	logging	19	0.05%	0	0.04%	101	0.28%	0	0.26%
12	02	08	OFF-HIGHWAY	Non-Road Diesel	airport service	0	0.00%	0	0.00%	1	0.00%	0	0.00%
12	02	09	OFF-HIGHWAY	Non-Road Diesel	railway maintenance	3	0.01%	0	0.01%	13	0.03%	0	0.03%
12	02	99	OFF-HIGHWAY	Non-Road Diesel		1	0.00%	0	0.01%	6	0.02%	0	0.04%
12	03	99	OFF-HIGHWAY	Aircraft		1,054	2.63%	3	2.56%	1,324	3.65%	4	3.51%
12	04	01	OFF-HIGHWAY	Marine Vessels	coal	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	02	OFF-HIGHWAY	Marine Vessels	diesel	81	0.20%	0	0.19%	2,085	5.75%	6	5.26%
12	04	03	OFF-HIGHWAY	Marine Vessels	residual oil	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	04	OFF-HIGHWAY	Marine Vessels	gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	99	OFF-HIGHWAY	Marine Vessels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	05	99	OFF-HIGHWAY	Railroads		69	0.17%	0	0.16%	4,094	11.29%	12	11.48%
NATURAL SOURCES Total						0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	01	NATURAL SOURCES	Biogenic	vegetation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	99	NATURAL SOURCES	Biogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	02	99	NATURAL SOURCES	Geogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	03	99	NATURAL SOURCES	Miscellaneous		0	0.00%	0	0.00%	0	0.00%	0	0.00%
MISCELLANEOUS Total						272	0.68%	1	1.07%	15	0.04%	0	0.07%
14	01	99	MISCELLANEOUS	Agriculture & Forestry		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	01	MISCELLANEOUS	Other Combustion	structural fires	11	0.03%	0	0.03%	1	0.00%	0	0.00%
14	02	02	MISCELLANEOUS	Other Combustion	agricultural fires	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	03	MISCELLANEOUS	Other Combustion	slash/prescribed burning	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	04	MISCELLANEOUS	Other Combustion	forest wildfires	67	0.17%	0	0.32%	14	0.04%	0	0.07%
14	02	99	MISCELLANEOUS	Other Combustion		53	0.13%	0	0.39%	0	0.00%	0	0.00%

Table 3: Springfield, MA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
14	03	99	MISCELLANEOUS	Catastrophic/Accidental Releases		141	0.35%	0	0.33%	0	0.00%	0	0.00%
14	04	99	MISCELLANEOUS	Repair Shops		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	05	99	MISCELLANEOUS	Health Services		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	06	99	MISCELLANEOUS	Cooling Towers		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	07	99	MISCELLANEOUS	Fugitive Dust		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total Total						40,120	100.00%	117	100.00%	36,275	100.00%	108	100.00%

OSD = Ozone Summer Day

Table 4: Washington, DC Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
FUEL COMB. ELEC. UTIL. Total						309	0.19%	1	0.26%	62,427	27.91%	196	28.85%
01	01	99	FUEL COMB. ELEC. UTIL.	Coal		194	0.12%	1	0.11%	60,347	26.98%	181	26.64%
01	02	99	FUEL COMB. ELEC. UTIL.	Oil		45	0.03%	0	0.06%	925	0.41%	6	0.92%
01	03	99	FUEL COMB. ELEC. UTIL.	Gas		12	0.01%	0	0.01%	313	0.14%	1	0.16%
01	04	99	FUEL COMB. ELEC. UTIL.	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	05	99	FUEL COMB. ELEC. UTIL.	Internal Combustion		58	0.04%	0	0.08%	842	0.38%	8	1.14%
FUEL COMB. INDUSTRIAL Total						537	0.32%	1	0.24%	7,207	3.22%	24	3.51%
02	01	99	FUEL COMB. INDUSTRIAL	Coal		187	0.11%	1	0.11%	1,372	0.61%	4	0.64%
02	02	99	FUEL COMB. INDUSTRIAL	Oil		7	0.00%	0	0.00%	680	0.30%	2	0.33%
02	03	99	FUEL COMB. INDUSTRIAL	Gas		27	0.02%	0	0.02%	1,133	0.51%	4	0.55%
02	04	99	FUEL COMB. INDUSTRIAL	Other		50	0.03%	0	0.03%	2,792	1.25%	8	1.21%
02	05	99	FUEL COMB. INDUSTRIAL	Internal Combustion		266	0.16%	0	0.07%	1,229	0.55%	5	0.78%
FUEL COMB. OTHER Total						7,667	4.64%	3	0.59%	11,879	5.31%	41	5.97%
03	01	99	FUEL COMB. OTHER	Commercial/Institutional Coal		28	0.02%	1	0.12%	1,343	0.60%	7	0.99%
03	02	99	FUEL COMB. OTHER	Commercial/Institutional Oil		64	0.04%	0	0.05%	3,903	1.74%	17	2.51%
03	03	99	FUEL COMB. OTHER	Commercial/Institutional Gas		166	0.10%	0	0.07%	3,215	1.44%	13	1.85%
03	04	99	FUEL COMB. OTHER	Misc. Fuel Comb. (Except Residential)		7	0.00%	0	0.00%	169	0.08%	0	0.06%
03	05	01	FUEL COMB. OTHER	Residential Wood	fireplaces	1,858	1.12%	0	0.07%	119	0.05%	0	0.00%
03	05	02	FUEL COMB. OTHER	Residential Wood	woodstoves	0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	05	99	FUEL COMB. OTHER	Residential Wood		5,315	3.22%	1	0.19%	531	0.24%	0	0.01%
03	06	99	FUEL COMB. OTHER	Residential Other		230	0.14%	0	0.09%	2,598	1.16%	4	0.55%
CHEMICAL & ALLIED PRODUCT MFG Total						9	0.01%	0	0.01%	0	0.00%	0	0.00%
04	01	01	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene oxide mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	02	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	phenol mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	03	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	terephthalic acid mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	04	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	05	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	charcoal mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	06	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi reactor	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	07	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	08	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi batch	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	09	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi air oxidation processes	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	10	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	99	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	02	99	CHEMICAL & ALLIED PRODUCT MFG	Inorganic Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	01	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polypropylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	02	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polyethylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	03	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polystyrene resins	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	04	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	synthetic fiber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	05	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	styrene/butadiene rubber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	06	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	leaks from polymer mfg.	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	99	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	04	99	CHEMICAL & ALLIED PRODUCT MFG	Agricultural Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	05	01	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg	paint & varnish mfg	9	0.01%	0	0.01%	0	0.00%	0	0.00%
04	05	99	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	06	99	CHEMICAL & ALLIED PRODUCT MFG	Pharmaceutical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	01	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	02	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	printing ink mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	03	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	fugitives unclassified	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	04	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black furnace: fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	99	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
METALS PROCESSING Total						15	0.01%	0	0.01%	68	0.03%	0	0.03%
05	01	99	METALS PROCESSING	Non-Ferrous Metals Processing		13	0.01%	0	0.01%	67	0.03%	0	0.03%
05	02	01	METALS PROCESSING	Ferrous Metals Processing	coke oven door & topside leaks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	02	METALS PROCESSING	Ferrous Metals Processing	coke oven by-product plants	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	99	METALS PROCESSING	Ferrous Metals Processing		0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	03	99	METALS PROCESSING	Metals Processing NEC		2	0.00%	0	0.00%	1	0.00%	0	0.00%

Table 4: Washington, DC Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
PETROLEUM & RELATED INDUSTRIES Total						73	0.04%	1	0.11%	53	0.02%	0	0.06%
06	01	99	PETROLEUM & RELATED INDUSTRIES	Oil & Gas Production		16	0.01%	0	0.01%	2	0.00%	0	0.00%
06	02	01	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	vaccuum distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	02	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	cracking units	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	03	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	process unit turnarounds	3	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	04	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	petroleum refinery fugitives	3	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	99	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	03	99	PETROLEUM & RELATED INDUSTRIES	Asphalt Manufacturing		51	0.03%	0	0.09%	51	0.02%	0	0.06%
OTHER INDUSTRIAL PROCESSES Total						385	0.23%	2	0.31%	3,587	1.60%	10	1.45%
07	01	01	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	vegetable oil mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	02	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	whiskey fermentation: aging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	03	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	bakeries	260	0.16%	1	0.22%	4	0.00%	0	0.00%
07	01	99	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products		1	0.00%	0	0.00%	0	0.00%	0	0.00%
07	02	99	OTHER INDUSTRIAL PROCESSES	Textiles, Leather, & Apparel Products		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	03	99	OTHER INDUSTRIAL PROCESSES	Wood, Pulp & Paper, & Publishing Products		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	01	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	rubber tire mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	02	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	green tire spray	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	99	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products		116	0.07%	0	0.08%	0	0.00%	0	0.00%
07	05	99	OTHER INDUSTRIAL PROCESSES	Mineral Products		3	0.00%	0	0.00%	3,582	1.60%	10	1.45%
07	06	99	OTHER INDUSTRIAL PROCESSES	Machinery Products		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	07	99	OTHER INDUSTRIAL PROCESSES	Electronic Equipment		2	0.00%	0	0.00%	0	0.00%	0	0.00%
07	08	99	OTHER INDUSTRIAL PROCESSES	Transportation Equipment		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	09	99	OTHER INDUSTRIAL PROCESSES	Construction		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	10	99	OTHER INDUSTRIAL PROCESSES	Miscellaneous Industrial Processes		2	0.00%	0	0.00%	0	0.00%	0	0.00%
SOLVENT UTILIZATION Total						49,396	29.91%	194	37.71%	7	0.00%	0	0.00%
08	01	01	SOLVENT UTILIZATION	Degreasing	open top	11	0.01%	0	0.01%	0	0.00%	0	0.00%
08	01	02	SOLVENT UTILIZATION	Degreasing	conveyorized	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	01	03	SOLVENT UTILIZATION	Degreasing	cold cleaning	923	0.56%	3	0.57%	0	0.00%	0	0.00%
08	01	99	SOLVENT UTILIZATION	Degreasing		2,454	1.49%	12	2.33%	0	0.00%	0	0.00%
08	02	01	SOLVENT UTILIZATION	Graphic Arts	letterpress	27	0.02%	0	0.02%	0	0.00%	0	0.00%
08	02	02	SOLVENT UTILIZATION	Graphic Arts	flexographic	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	02	03	SOLVENT UTILIZATION	Graphic Arts	lithographic	158	0.10%	1	0.16%	2	0.00%	0	0.00%
08	02	04	SOLVENT UTILIZATION	Graphic Arts	gravure	55	0.03%	0	0.03%	0	0.00%	0	0.00%
08	02	99	SOLVENT UTILIZATION	Graphic Arts		4,717	2.86%	17	3.26%	1	0.00%	0	0.00%
08	03	01	SOLVENT UTILIZATION	Dry Cleaning	perchloroethylene	94	0.06%	0	0.06%	0	0.00%	0	0.00%
08	03	02	SOLVENT UTILIZATION	Dry Cleaning	petroleum solvent	153	0.09%	1	0.11%	0	0.00%	0	0.00%
08	03	99	SOLVENT UTILIZATION	Dry Cleaning		285	0.17%	4	0.74%	0	0.00%	0	0.00%
08	04	01	SOLVENT UTILIZATION	Surface Coating	industrial adhesives	302	0.18%	1	0.21%	0	0.00%	0	0.00%
08	04	02	SOLVENT UTILIZATION	Surface Coating	fabrics	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	03	SOLVENT UTILIZATION	Surface Coating	paper	3	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	04	SOLVENT UTILIZATION	Surface Coating	large appliances	4	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	05	SOLVENT UTILIZATION	Surface Coating	magnet wire	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	06	SOLVENT UTILIZATION	Surface Coating	autos & light trucks	32	0.02%	0	0.02%	0	0.00%	0	0.00%
08	04	07	SOLVENT UTILIZATION	Surface Coating	metal cans	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	08	SOLVENT UTILIZATION	Surface Coating	metal coil	40	0.02%	0	0.03%	0	0.00%	0	0.00%
08	04	09	SOLVENT UTILIZATION	Surface Coating	wood furniture	91	0.06%	0	0.07%	0	0.00%	0	0.00%
08	04	10	SOLVENT UTILIZATION	Surface Coating	metal furniture	309	0.19%	1	0.23%	0	0.00%	0	0.00%
08	04	11	SOLVENT UTILIZATION	Surface Coating	flatwood products	68	0.04%	0	0.05%	0	0.00%	0	0.00%
08	04	12	SOLVENT UTILIZATION	Surface Coating	plastic parts	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	13	SOLVENT UTILIZATION	Surface Coating	large ships	21	0.01%	0	0.02%	0	0.00%	0	0.00%
08	04	14	SOLVENT UTILIZATION	Surface Coating	aircraft	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	15	SOLVENT UTILIZATION	Surface Coating	misc. metal parts	240	0.15%	1	0.15%	5	0.00%	0	0.00%
08	04	16	SOLVENT UTILIZATION	Surface Coating	steel drums	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	17	SOLVENT UTILIZATION	Surface Coating	architectural	8,931	5.41%	35	6.81%	0	0.00%	0	0.00%
08	04	18	SOLVENT UTILIZATION	Surface Coating	traffic markings	727	0.44%	3	0.50%	0	0.00%	0	0.00%
08	04	19	SOLVENT UTILIZATION	Surface Coating	maintenance coatings	755	0.46%	4	0.73%	0	0.00%	0	0.00%
08	04	20	SOLVENT UTILIZATION	Surface Coating	railroad	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 4: Washington, DC Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
08	04	21	SOLVENT UTILIZATION	Surface Coating	auto refinishing	3,295	1.99%	13	2.55%	0	0.00%	0	0.00%
08	04	22	SOLVENT UTILIZATION	Surface Coating	machinery	141	0.09%	1	0.10%	0	0.00%	0	0.00%
08	04	23	SOLVENT UTILIZATION	Surface Coating	electronic & other electrical	63	0.04%	0	0.04%	0	0.00%	0	0.00%
08	04	24	SOLVENT UTILIZATION	Surface Coating	general	26	0.02%	0	0.03%	0	0.00%	0	0.00%
08	04	25	SOLVENT UTILIZATION	Surface Coating	miscellaneous	12	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	26	SOLVENT UTILIZATION	Surface Coating	thinning solvents	6	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	99	SOLVENT UTILIZATION	Surface Coating		1,559	0.94%	16	3.17%	0	0.00%	0	0.00%
08	05	01	SOLVENT UTILIZATION	Other Industrial	rubber & plastics mfg	1	0.00%	0	0.00%	0	0.00%	0	0.00%
08	05	99	SOLVENT UTILIZATION	Other Industrial		101	0.06%	0	0.09%	0	0.00%	0	0.00%
08	06	01	SOLVENT UTILIZATION	Nonindustrial	cutback asphalt	1,977	1.20%	1	0.14%	0	0.00%	0	0.00%
08	06	02	SOLVENT UTILIZATION	Nonindustrial	other asphalt	1,979	1.20%	5	1.01%	0	0.00%	0	0.00%
08	06	03	SOLVENT UTILIZATION	Nonindustrial	pesticide application	3,224	1.95%	11	2.13%	0	0.00%	0	0.00%
08	06	04	SOLVENT UTILIZATION	Nonindustrial	adhesives	897	0.54%	3	0.62%	0	0.00%	0	0.00%
08	06	05	SOLVENT UTILIZATION	Nonindustrial	consumer solvents	15,714	9.51%	60	11.69%	0	0.00%	0	0.00%
08	06	99	SOLVENT UTILIZATION	Nonindustrial		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	07	99	SOLVENT UTILIZATION	Solvent Utilization NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%
STORAGE & TRANSPORT Total						8,133	4.92%	19	3.78%	0	0.00%	0	0.00%
09	01	01	STORAGE & TRANSPORT	Bulk Terminals & Plants	fixed roof	9	0.01%	0	0.00%	0	0.00%	0	0.00%
09	01	02	STORAGE & TRANSPORT	Bulk Terminals & Plants	floating roof	146	0.09%	0	0.09%	0	0.00%	0	0.00%
09	01	03	STORAGE & TRANSPORT	Bulk Terminals & Plants	variable vapor space	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	04	STORAGE & TRANSPORT	Bulk Terminals & Plants	efr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	05	STORAGE & TRANSPORT	Bulk Terminals & Plants	ifr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	06	STORAGE & TRANSPORT	Bulk Terminals & Plants	underground tanks	25	0.02%	0	0.02%	0	0.00%	0	0.00%
09	01	07	STORAGE & TRANSPORT	Bulk Terminals & Plants	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	99	STORAGE & TRANSPORT	Bulk Terminals & Plants		12	0.01%	0	0.01%	0	0.00%	0	0.00%
09	02	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	06	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	07	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	08	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	09	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	variable vapor space gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	10	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	11	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage		501	0.30%	1	0.27%	0	0.00%	0	0.00%
09	03	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / splash	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: balanced / submerged	278	0.17%	4	0.69%	0	0.00%	0	0.00%
09	03	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / submerged	9	0.01%	0	0.01%	0	0.00%	0	0.00%
09	03	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: clean / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	marine vessel loading: gasoline & crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport		116	0.07%	0	0.08%	0	0.00%	0	0.00%
09	04	99	STORAGE & TRANSPORT	Service Stations: Stage I		1,153	0.70%	3	0.68%	0	0.00%	0	0.00%
09	05	99	STORAGE & TRANSPORT	Service Stations: Stage II		4,939	2.99%	8	1.51%	0	0.00%	0	0.00%
09	06	99	STORAGE & TRANSPORT	Service Stations: Breathing & Emptying		945	0.57%	2	0.42%	0	0.00%	0	0.00%
09	07	99	STORAGE & TRANSPORT	Organic Chemical Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	08	99	STORAGE & TRANSPORT	Organic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	09	99	STORAGE & TRANSPORT	Inorganic Chemical Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	10	99	STORAGE & TRANSPORT	Inorganic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	11	99	STORAGE & TRANSPORT	Bulk Materials Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	12	99	STORAGE & TRANSPORT	Bulk Materials Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
WASTE DISPOSAL & RECYCLING Total						6,749	4.09%	16	3.05%	3,916	1.75%	10	1.54%
10	01	99	WASTE DISPOSAL & RECYCLING	Incineration		469	0.28%	1	0.26%	3,042	1.36%	9	1.29%
10	02	01	WASTE DISPOSAL & RECYCLING	Open Burning	industrial	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	02	WASTE DISPOSAL & RECYCLING	Open Burning	commercial/institutional	2,774	1.68%	8	1.48%	558	0.25%	2	0.23%
10	02	03	WASTE DISPOSAL & RECYCLING	Open Burning	residential	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	99	WASTE DISPOSAL & RECYCLING	Open Burning		1,381	0.84%	1	0.13%	291	0.13%	0	0.02%

Table 4: Washington, DC Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
10	03	99	WASTE DISPOSAL & RECYCLING	POTW		183	0.11%	1	0.13%	0	0.00%	0	0.00%
10	04	99	WASTE DISPOSAL & RECYCLING	Industrial Waste Water		0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	05	99	WASTE DISPOSAL & RECYCLING	TSDF		1	0.00%	0	0.00%	0	0.00%	0	0.00%
10	06	99	WASTE DISPOSAL & RECYCLING	Landfills		1,384	0.84%	4	0.80%	25	0.01%	0	0.01%
10	07	99	WASTE DISPOSAL & RECYCLING	Other		557	0.34%	1	0.25%	0	0.00%	0	0.00%
HIGHWAY VEHICLES Total						61,921	37.49%	159	30.87%	89,568	40.04%	234	34.45%
11	01	01	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	light-duty gas vehicles	32,925	19.93%	84	16.30%	38,408	17.17%	99	14.59%
11	01	02	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	motorcycles	550	0.33%	2	0.39%	169	0.08%	0	0.07%
11	01	99	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	02	01	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt1	11,375	6.89%	29	5.54%	13,068	5.84%	34	4.95%
11	02	02	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt2	9,819	5.94%	24	4.74%	9,895	4.42%	26	3.81%
11	02	99	HIGHWAY VEHICLES	Light-Duty Gas Trucks		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	03	99	HIGHWAY VEHICLES	Heavy-Duty Gas Vehicles		3,892	2.36%	11	2.17%	4,207	1.88%	11	1.60%
11	04	01	HIGHWAY VEHICLES	Diesels	hddv	3,100	1.88%	8	1.59%	23,160	10.35%	62	9.15%
11	04	02	HIGHWAY VEHICLES	Diesels	lddt	76	0.05%	0	0.04%	171	0.08%	0	0.07%
11	04	03	HIGHWAY VEHICLES	Diesels	lddv	183	0.11%	1	0.10%	489	0.22%	1	0.21%
11	04	99	HIGHWAY VEHICLES	Diesels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
OFF-HIGHWAY Total						29,577	17.91%	117	22.72%	44,941	20.09%	164	24.10%
12	01	01	OFF-HIGHWAY	Non-Road Gasoline	recreational	1,089	0.66%	4	0.77%	219	0.10%	1	0.09%
12	01	02	OFF-HIGHWAY	Non-Road Gasoline	construction	723	0.44%	3	0.57%	78	0.04%	0	0.04%
12	01	03	OFF-HIGHWAY	Non-Road Gasoline	industrial	93	0.06%	0	0.05%	43	0.02%	0	0.01%
12	01	04	OFF-HIGHWAY	Non-Road Gasoline	lawn & garden	17,740	10.74%	73	14.11%	984	0.44%	4	0.56%
12	01	05	OFF-HIGHWAY	Non-Road Gasoline	farm	24	0.01%	0	0.02%	7	0.00%	0	0.00%
12	01	06	OFF-HIGHWAY	Non-Road Gasoline	light commercial	1,979	1.20%	5	1.04%	195	0.09%	0	0.06%
12	01	07	OFF-HIGHWAY	Non-Road Gasoline	logging	10	0.01%	0	0.01%	0	0.00%	0	0.00%
12	01	08	OFF-HIGHWAY	Non-Road Gasoline	airport service	11	0.01%	0	0.01%	4	0.00%	0	0.00%
12	01	09	OFF-HIGHWAY	Non-Road Gasoline	recreational marine vessels	1,155	0.70%	7	1.32%	65	0.03%	0	0.06%
12	01	99	OFF-HIGHWAY	Non-Road Gasoline		4	0.00%	0	0.00%	0	0.00%	0	0.00%
12	02	01	OFF-HIGHWAY	Non-Road Diesel	recreational	7	0.00%	0	0.01%	26	0.01%	0	0.02%
12	02	02	OFF-HIGHWAY	Non-Road Diesel	construction	3,710	2.25%	15	2.99%	21,976	9.82%	91	13.42%
12	02	03	OFF-HIGHWAY	Non-Road Diesel	industrial	336	0.20%	1	0.18%	2,005	0.90%	5	0.80%
12	02	04	OFF-HIGHWAY	Non-Road Diesel	lawn & garden	443	0.27%	2	0.37%	2,112	0.94%	9	1.34%
12	02	05	OFF-HIGHWAY	Non-Road Diesel	farm	135	0.08%	1	0.11%	1,128	0.50%	5	0.72%
12	02	06	OFF-HIGHWAY	Non-Road Diesel	light commercial	165	0.10%	0	0.09%	1,054	0.47%	3	0.42%
12	02	07	OFF-HIGHWAY	Non-Road Diesel	logging	11	0.01%	0	0.01%	60	0.03%	0	0.02%
12	02	08	OFF-HIGHWAY	Non-Road Diesel	airport service	46	0.03%	0	0.02%	231	0.10%	1	0.09%
12	02	09	OFF-HIGHWAY	Non-Road Diesel	railway maintenance	14	0.01%	0	0.01%	65	0.03%	0	0.03%
12	02	99	OFF-HIGHWAY	Non-Road Diesel		5	0.00%	0	0.01%	32	0.01%	0	0.03%
12	03	99	OFF-HIGHWAY	Aircraft		1,701	1.03%	5	0.94%	1,856	0.83%	5	0.78%
12	04	01	OFF-HIGHWAY	Marine Vessels	coal	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	02	OFF-HIGHWAY	Marine Vessels	diesel	74	0.04%	0	0.04%	1,906	0.85%	5	0.76%
12	04	03	OFF-HIGHWAY	Marine Vessels	residual oil	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	04	OFF-HIGHWAY	Marine Vessels	gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	99	OFF-HIGHWAY	Marine Vessels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	05	99	OFF-HIGHWAY	Railroads		102	0.06%	0	0.06%	10,894	4.87%	33	4.84%
NATURAL SOURCES Total						0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	01	NATURAL SOURCES	Biogenic	vegetation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	99	NATURAL SOURCES	Biogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	02	99	NATURAL SOURCES	Geogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	03	99	NATURAL SOURCES	Miscellaneous		0	0.00%	0	0.00%	0	0.00%	0	0.00%
MISCELLANEOUS Total						404	0.24%	2	0.34%	53	0.02%	0	0.03%
14	01	99	MISCELLANEOUS	Agriculture & Forestry		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	01	MISCELLANEOUS	Other Combustion	structural fires	361	0.22%	2	0.31%	46	0.02%	0	0.03%
14	02	02	MISCELLANEOUS	Other Combustion	agricultural fires	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	03	MISCELLANEOUS	Other Combustion	slash/prescribed burning	8	0.00%	0	0.00%	5	0.00%	0	0.00%
14	02	04	MISCELLANEOUS	Other Combustion	forest wildfires	7	0.00%	0	0.00%	1	0.00%	0	0.00%
14	02	99	MISCELLANEOUS	Other Combustion		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 4: Washington, DC Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
14	03	99	MISCELLANEOUS	Catastrophic/Accidental Releases		28	0.02%	0	0.02%	0	0.00%	0	0.00%
14	04	99	MISCELLANEOUS	Repair Shops		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	05	99	MISCELLANEOUS	Health Services		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	06	99	MISCELLANEOUS	Cooling Towers		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	07	99	MISCELLANEOUS	Fugitive Dust		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total Total						165,174	100.00%	515	100.00%	223,707	100.00%	680	100.00%

OSD = Ozone Summer Day

Table 5: Baltimore, MD Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
FUEL COMB. ELEC. UTIL. Total						209	0.26%	1	0.27%	52,982	37.00%	164	38.74%
01	01	99	FUEL COMB. ELEC. UTIL.	Coal		179	0.22%	1	0.20%	51,846	36.21%	157	37.02%
01	02	99	FUEL COMB. ELEC. UTIL.	Oil		18	0.02%	0	0.04%	715	0.50%	4	1.02%
01	03	99	FUEL COMB. ELEC. UTIL.	Gas		5	0.01%	0	0.02%	208	0.15%	2	0.37%
01	04	99	FUEL COMB. ELEC. UTIL.	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	05	99	FUEL COMB. ELEC. UTIL.	Internal Combustion		7	0.01%	0	0.01%	212	0.15%	1	0.34%
FUEL COMB. INDUSTRIAL Total						247	0.30%	1	0.26%	2,984	2.08%	9	2.03%
02	01	99	FUEL COMB. INDUSTRIAL	Coal		0	0.00%	0	0.00%	0	0.00%	0	0.00%
02	02	99	FUEL COMB. INDUSTRIAL	Oil		2	0.00%	0	0.00%	111	0.08%	0	0.06%
02	03	99	FUEL COMB. INDUSTRIAL	Gas		17	0.02%	0	0.02%	725	0.51%	2	0.57%
02	04	99	FUEL COMB. INDUSTRIAL	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
02	05	99	FUEL COMB. INDUSTRIAL	Internal Combustion		228	0.28%	1	0.24%	2,149	1.50%	6	1.40%
FUEL COMB. OTHER Total						2,504	3.06%	1	0.35%	6,164	4.31%	18	4.16%
03	01	99	FUEL COMB. OTHER	Commercial/Institutional Coal		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	02	99	FUEL COMB. OTHER	Commercial/Institutional Oil		62	0.08%	0	0.03%	2,957	2.07%	9	2.11%
03	03	99	FUEL COMB. OTHER	Commercial/Institutional Gas		162	0.20%	0	0.07%	2,336	1.63%	6	1.51%
03	04	99	FUEL COMB. OTHER	Misc. Fuel Comb. (Except Residential)		6	0.01%	0	0.00%	167	0.12%	0	0.11%
03	05	01	FUEL COMB. OTHER	Residential Wood	fireplaces	2,224	2.72%	0	0.17%	142	0.10%	0	0.01%
03	05	02	FUEL COMB. OTHER	Residential Wood	woodstoves	0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	05	99	FUEL COMB. OTHER	Residential Wood		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	06	99	FUEL COMB. OTHER	Residential Other		50	0.06%	0	0.07%	562	0.39%	2	0.43%
CHEMICAL & ALLIED PRODUCT MFG Total						532	0.65%	2	0.73%	104	0.07%	0	0.07%
04	01	01	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene oxide mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	02	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	phenol mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	03	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	terephthalic acid mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	04	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	05	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	charcoal mfg	0	0.00%	0	0.00%	6	0.00%	0	0.01%
04	01	06	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi reactor	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	07	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	08	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi batch	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	09	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi air oxidation processes	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	10	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	99	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg		10	0.01%	0	0.01%	68	0.05%	0	0.04%
04	02	99	CHEMICAL & ALLIED PRODUCT MFG	Inorganic Chemical Mfg		0	0.00%	0	0.00%	15	0.01%	0	0.01%
04	03	01	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polypropylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	02	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polyethylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	03	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polystyrene resins	19	0.02%	0	0.03%	0	0.00%	0	0.00%
04	03	04	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	synthetic fiber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	05	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	styrene/butadiene rubber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	06	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	leaks from polymer mfg.	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	99	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	04	99	CHEMICAL & ALLIED PRODUCT MFG	Agricultural Chemical Mfg		33	0.04%	0	0.05%	7	0.00%	0	0.00%
04	05	01	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg	paint & varnish mfg	317	0.39%	1	0.42%	4	0.00%	0	0.00%
04	05	99	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg		54	0.07%	0	0.08%	0	0.00%	0	0.00%
04	06	99	CHEMICAL & ALLIED PRODUCT MFG	Pharmaceutical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	01	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	02	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	printing ink mfg	10	0.01%	0	0.01%	0	0.00%	0	0.00%
04	07	03	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	fugitives unclassified	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	04	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black furnace: fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	99	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg		88	0.11%	0	0.12%	5	0.00%	0	0.00%
METALS PROCESSING Total						9	0.01%	0	0.01%	1,955	1.37%	5	1.29%
05	01	99	METALS PROCESSING	Non-Ferrous Metals Processing		1	0.00%	0	0.00%	8	0.01%	0	0.00%
05	02	01	METALS PROCESSING	Ferrous Metals Processing	coke oven door & topside leaks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	02	METALS PROCESSING	Ferrous Metals Processing	coke oven by-product plants	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	99	METALS PROCESSING	Ferrous Metals Processing		8	0.01%	0	0.01%	1,948	1.36%	5	1.28%
05	03	99	METALS PROCESSING	Metals Processing NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 5: Baltimore, MD Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
PETROLEUM & RELATED INDUSTRIES Total						9	0.01%	0	0.01%	7	0.01%	0	0.01%
06	01	99	PETROLEUM & RELATED INDUSTRIES	Oil & Gas Production		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	01	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	vaccuum distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	02	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	cracking units	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	03	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	process unit turnarounds	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	04	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	petroleum refinery fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	99	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	03	99	PETROLEUM & RELATED INDUSTRIES	Asphalt Manufacturing		9	0.01%	0	0.01%	7	0.01%	0	0.01%
OTHER INDUSTRIAL PROCESSES Total						1,379	1.69%	4	1.68%	6,122	4.28%	17	4.02%
07	01	01	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	vegetable oil mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	02	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	whiskey fermentation: aging	186	0.23%	1	0.20%	0	0.00%	0	0.00%
07	01	03	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	bakeries	301	0.37%	1	0.37%	8	0.01%	0	0.01%
07	01	99	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products		503	0.61%	2	0.61%	47	0.03%	0	0.04%
07	02	99	OTHER INDUSTRIAL PROCESSES	Textiles, Leather, & Apparel Products		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	03	99	OTHER INDUSTRIAL PROCESSES	Wood, Pulp & Paper, & Publishing Products		1	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	01	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	rubber tire mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	02	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	green tire spray	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	99	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products		245	0.30%	1	0.32%	2	0.00%	0	0.00%
07	05	99	OTHER INDUSTRIAL PROCESSES	Mineral Products		52	0.06%	0	0.05%	6,065	4.24%	17	3.97%
07	06	99	OTHER INDUSTRIAL PROCESSES	Machinery Products		92	0.11%	0	0.12%	1	0.00%	0	0.00%
07	07	99	OTHER INDUSTRIAL PROCESSES	Electronic Equipment		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	08	99	OTHER INDUSTRIAL PROCESSES	Transportation Equipment		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	09	99	OTHER INDUSTRIAL PROCESSES	Construction		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	10	99	OTHER INDUSTRIAL PROCESSES	Miscellaneous Industrial Processes		0	0.00%	0	0.00%	0	0.00%	0	0.00%
SOLVENT UTILIZATION Total						23,399	28.61%	93	35.83%	60	0.04%	0	0.05%
08	01	01	SOLVENT UTILIZATION	Degreasing	open top	15	0.02%	0	0.02%	0	0.00%	0	0.00%
08	01	02	SOLVENT UTILIZATION	Degreasing	conveyorized	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	01	03	SOLVENT UTILIZATION	Degreasing	cold cleaning	1,185	1.45%	4	1.48%	0	0.00%	0	0.00%
08	01	99	SOLVENT UTILIZATION	Degreasing		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	02	01	SOLVENT UTILIZATION	Graphic Arts	letterpress	2	0.00%	0	0.00%	0	0.00%	0	0.00%
08	02	02	SOLVENT UTILIZATION	Graphic Arts	flexographic	129	0.16%	0	0.19%	8	0.01%	0	0.01%
08	02	03	SOLVENT UTILIZATION	Graphic Arts	lithographic	129	0.16%	0	0.17%	3	0.00%	0	0.00%
08	02	04	SOLVENT UTILIZATION	Graphic Arts	gravure	348	0.43%	1	0.38%	0	0.00%	0	0.00%
08	02	99	SOLVENT UTILIZATION	Graphic Arts		228	0.28%	1	0.33%	0	0.00%	0	0.00%
08	03	01	SOLVENT UTILIZATION	Dry Cleaning	perchloroethylene	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	03	02	SOLVENT UTILIZATION	Dry Cleaning	petroleum solvent	35	0.04%	0	0.04%	0	0.00%	0	0.00%
08	03	99	SOLVENT UTILIZATION	Dry Cleaning		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	01	SOLVENT UTILIZATION	Surface Coating	industrial adhesives	115	0.14%	0	0.15%	0	0.00%	0	0.00%
08	04	02	SOLVENT UTILIZATION	Surface Coating	fabrics	65	0.08%	0	0.09%	0	0.00%	0	0.00%
08	04	03	SOLVENT UTILIZATION	Surface Coating	paper	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	04	SOLVENT UTILIZATION	Surface Coating	large appliances	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	05	SOLVENT UTILIZATION	Surface Coating	magnet wire	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	06	SOLVENT UTILIZATION	Surface Coating	autos & light trucks	815	1.00%	3	1.21%	27	0.02%	0	0.02%
08	04	07	SOLVENT UTILIZATION	Surface Coating	metal cans	177	0.22%	1	0.23%	10	0.01%	0	0.01%
08	04	08	SOLVENT UTILIZATION	Surface Coating	metal coil	31	0.04%	0	0.04%	9	0.01%	0	0.01%
08	04	09	SOLVENT UTILIZATION	Surface Coating	wood furniture	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	10	SOLVENT UTILIZATION	Surface Coating	metal furniture	855	1.05%	3	1.27%	0	0.00%	0	0.00%
08	04	11	SOLVENT UTILIZATION	Surface Coating	flatwood products	44	0.05%	4	1.36%	0	0.00%	0	0.00%
08	04	12	SOLVENT UTILIZATION	Surface Coating	plastic parts	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	13	SOLVENT UTILIZATION	Surface Coating	large ships	96	0.12%	1	0.28%	0	0.00%	0	0.00%
08	04	14	SOLVENT UTILIZATION	Surface Coating	aircraft	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	15	SOLVENT UTILIZATION	Surface Coating	misc. metal parts	15	0.02%	0	0.02%	1	0.00%	0	0.00%
08	04	16	SOLVENT UTILIZATION	Surface Coating	steel drums	13	0.02%	0	0.02%	0	0.00%	0	0.00%
08	04	17	SOLVENT UTILIZATION	Surface Coating	architectural	5,603	6.85%	20	7.72%	0	0.00%	0	0.00%
08	04	18	SOLVENT UTILIZATION	Surface Coating	traffic markings	51	0.06%	0	0.09%	0	0.00%	0	0.00%
08	04	19	SOLVENT UTILIZATION	Surface Coating	maintenance coatings	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	20	SOLVENT UTILIZATION	Surface Coating	railroad	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 5: Baltimore, MD Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
08	04	21	SOLVENT UTILIZATION	Surface Coating	auto refinishing	2,666	3.26%	10	3.96%	0	0.00%	0	0.00%
08	04	22	SOLVENT UTILIZATION	Surface Coating	machinery	290	0.35%	7	2.86%	0	0.00%	0	0.00%
08	04	23	SOLVENT UTILIZATION	Surface Coating	electronic & other electrical	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	24	SOLVENT UTILIZATION	Surface Coating	general	96	0.12%	0	0.16%	1	0.00%	0	0.00%
08	04	25	SOLVENT UTILIZATION	Surface Coating	miscellaneous	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	26	SOLVENT UTILIZATION	Surface Coating	thinning solvents	17	0.02%	0	0.03%	0	0.00%	0	0.00%
08	04	99	SOLVENT UTILIZATION	Surface Coating		134	0.16%	6	2.51%	0	0.00%	0	0.00%
08	05	01	SOLVENT UTILIZATION	Other Industrial	rubber & plastics mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	05	99	SOLVENT UTILIZATION	Other Industrial		49	0.06%	0	0.07%	0	0.00%	0	0.00%
08	06	01	SOLVENT UTILIZATION	Nonindustrial	cutback asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	02	SOLVENT UTILIZATION	Nonindustrial	other asphalt	5	0.01%	0	0.01%	0	0.00%	0	0.00%
08	06	03	SOLVENT UTILIZATION	Nonindustrial	pesticide application	640	0.78%	3	1.03%	0	0.00%	0	0.00%
08	06	04	SOLVENT UTILIZATION	Nonindustrial	adhesives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	05	SOLVENT UTILIZATION	Nonindustrial	consumer solvents	9,549	11.68%	26	10.12%	0	0.00%	0	0.00%
08	06	99	SOLVENT UTILIZATION	Nonindustrial		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	07	99	SOLVENT UTILIZATION	Solvent Utilization NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%
STORAGE & TRANSPORT Total						3,635	4.45%	10	3.94%	9	0.01%	0	0.01%
09	01	01	STORAGE & TRANSPORT	Bulk Terminals & Plants	fixed roof	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	02	STORAGE & TRANSPORT	Bulk Terminals & Plants	floating roof	688	0.84%	2	0.75%	5	0.00%	0	0.00%
09	01	03	STORAGE & TRANSPORT	Bulk Terminals & Plants	variable vapor space	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	04	STORAGE & TRANSPORT	Bulk Terminals & Plants	efr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	05	STORAGE & TRANSPORT	Bulk Terminals & Plants	ifr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	06	STORAGE & TRANSPORT	Bulk Terminals & Plants	underground tanks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	07	STORAGE & TRANSPORT	Bulk Terminals & Plants	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	99	STORAGE & TRANSPORT	Bulk Terminals & Plants		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	06	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	07	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	08	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	09	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	variable vapor space gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	10	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	11	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage		2,246	2.75%	6	2.38%	0	0.00%	0	0.00%
09	03	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / splash	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: balanced / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: clean / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	marine vessel loading: gasoline & crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport		140	0.17%	0	0.19%	1	0.00%	0	0.00%
09	04	99	STORAGE & TRANSPORT	Service Stations: Stage I		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	05	99	STORAGE & TRANSPORT	Service Stations: Stage II		34	0.04%	0	0.05%	0	0.00%	0	0.00%
09	06	99	STORAGE & TRANSPORT	Service Stations: Breathing & Emptying		508	0.62%	1	0.54%	0	0.00%	0	0.00%
09	07	99	STORAGE & TRANSPORT	Organic Chemical Storage		17	0.02%	0	0.02%	2	0.00%	0	0.00%
09	08	99	STORAGE & TRANSPORT	Organic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	09	99	STORAGE & TRANSPORT	Inorganic Chemical Storage		0	0.00%	0	0.00%	1	0.00%	0	0.00%
09	10	99	STORAGE & TRANSPORT	Inorganic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	11	99	STORAGE & TRANSPORT	Bulk Materials Storage		1	0.00%	0	0.00%	0	0.00%	0	0.00%
09	12	99	STORAGE & TRANSPORT	Bulk Materials Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
WASTE DISPOSAL & RECYCLING Total						2,610	3.19%	8	3.03%	1,928	1.35%	5	1.27%
10	01	99	WASTE DISPOSAL & RECYCLING	Incineration		30	0.04%	0	0.03%	1,608	1.12%	4	1.06%
10	02	01	WASTE DISPOSAL & RECYCLING	Open Burning	industrial	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	02	WASTE DISPOSAL & RECYCLING	Open Burning	commercial/institutional	1,319	1.61%	4	1.40%	278	0.19%	1	0.18%
10	02	03	WASTE DISPOSAL & RECYCLING	Open Burning	residential	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	99	WASTE DISPOSAL & RECYCLING	Open Burning		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 5: Baltimore, MD Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
10	03	99	WASTE DISPOSAL & RECYCLING	POTW		642	0.79%	2	0.95%	18	0.01%	0	0.01%
10	04	99	WASTE DISPOSAL & RECYCLING	Industrial Waste Water		0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	05	99	WASTE DISPOSAL & RECYCLING	TSDF		0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	06	99	WASTE DISPOSAL & RECYCLING	Landfills		580	0.71%	2	0.61%	0	0.00%	0	0.00%
10	07	99	WASTE DISPOSAL & RECYCLING	Other		39	0.05%	0	0.04%	25	0.02%	0	0.02%
HIGHWAY VEHICLES Total						31,248	38.21%	78	30.19%	49,171	34.34%	128	30.32%
11	01	01	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	light-duty gas vehicles	17,285	21.14%	43	16.65%	21,816	15.24%	56	13.26%
11	01	02	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	motorcycles	315	0.39%	1	0.44%	104	0.07%	0	0.07%
11	01	99	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	02	01	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt1	6,702	8.19%	16	6.30%	8,131	5.68%	21	4.95%
11	02	02	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt2	4,071	4.98%	10	3.81%	4,854	3.39%	13	2.99%
11	02	99	HIGHWAY VEHICLES	Light-Duty Gas Trucks		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	03	99	HIGHWAY VEHICLES	Heavy-Duty Gas Vehicles		1,252	1.53%	3	1.35%	2,273	1.59%	6	1.40%
11	04	01	HIGHWAY VEHICLES	Diesels	hddv	1,466	1.79%	4	1.47%	11,579	8.09%	31	7.37%
11	04	02	HIGHWAY VEHICLES	Diesels	lddt	47	0.06%	0	0.05%	109	0.08%	0	0.08%
11	04	03	HIGHWAY VEHICLES	Diesels	lddv	112	0.14%	0	0.13%	305	0.21%	1	0.21%
11	04	99	HIGHWAY VEHICLES	Diesels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
OFF-HIGHWAY Total						15,818	19.34%	61	23.50%	21,678	15.14%	76	18.02%
12	01	01	OFF-HIGHWAY	Non-Road Gasoline	recreational	223	0.27%	1	0.33%	1	0.00%	0	0.00%
12	01	02	OFF-HIGHWAY	Non-Road Gasoline	construction	290	0.36%	1	0.46%	32	0.02%	0	0.03%
12	01	03	OFF-HIGHWAY	Non-Road Gasoline	industrial	122	0.15%	0	0.13%	58	0.04%	0	0.03%
12	01	04	OFF-HIGHWAY	Non-Road Gasoline	lawn & garden	7,918	9.68%	32	12.53%	443	0.31%	2	0.40%
12	01	05	OFF-HIGHWAY	Non-Road Gasoline	farm	18	0.02%	0	0.03%	5	0.00%	0	0.00%
12	01	06	OFF-HIGHWAY	Non-Road Gasoline	light commercial	1,546	1.89%	4	1.61%	154	0.11%	0	0.08%
12	01	07	OFF-HIGHWAY	Non-Road Gasoline	logging	1	0.00%	0	0.00%	0	0.00%	0	0.00%
12	01	08	OFF-HIGHWAY	Non-Road Gasoline	airport service	4	0.00%	0	0.00%	1	0.00%	0	0.00%
12	01	09	OFF-HIGHWAY	Non-Road Gasoline	recreational marine vessels	1,088	1.33%	6	2.48%	62	0.04%	0	0.08%
12	01	99	OFF-HIGHWAY	Non-Road Gasoline		3	0.00%	0	0.00%	0	0.00%	0	0.00%
12	02	01	OFF-HIGHWAY	Non-Road Diesel	recreational	4	0.01%	0	0.01%	17	0.01%	0	0.02%
12	02	02	OFF-HIGHWAY	Non-Road Diesel	construction	1,488	1.82%	6	2.39%	8,817	6.16%	37	8.65%
12	02	03	OFF-HIGHWAY	Non-Road Diesel	industrial	290	0.35%	1	0.30%	1,750	1.22%	5	1.13%
12	02	04	OFF-HIGHWAY	Non-Road Diesel	lawn & garden	193	0.24%	1	0.32%	920	0.64%	4	0.94%
12	02	05	OFF-HIGHWAY	Non-Road Diesel	farm	101	0.12%	0	0.17%	847	0.59%	4	0.87%
12	02	06	OFF-HIGHWAY	Non-Road Diesel	light commercial	128	0.16%	0	0.14%	822	0.57%	2	0.53%
12	02	07	OFF-HIGHWAY	Non-Road Diesel	logging	1	0.00%	0	0.00%	4	0.00%	0	0.00%
12	02	08	OFF-HIGHWAY	Non-Road Diesel	airport service	15	0.02%	0	0.02%	74	0.05%	0	0.05%
12	02	09	OFF-HIGHWAY	Non-Road Diesel	railway maintenance	8	0.01%	0	0.01%	38	0.03%	0	0.02%
12	02	99	OFF-HIGHWAY	Non-Road Diesel		5	0.01%	0	0.01%	31	0.02%	0	0.04%
12	03	99	OFF-HIGHWAY	Aircraft		2,104	2.57%	6	2.27%	1,512	1.06%	4	1.01%
12	04	01	OFF-HIGHWAY	Marine Vessels	coal	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	02	OFF-HIGHWAY	Marine Vessels	diesel	108	0.13%	0	0.11%	3,218	2.25%	9	2.07%
12	04	03	OFF-HIGHWAY	Marine Vessels	residual oil	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	04	OFF-HIGHWAY	Marine Vessels	gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	99	OFF-HIGHWAY	Marine Vessels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	05	99	OFF-HIGHWAY	Railroads		159	0.19%	0	0.18%	2,869	2.00%	9	2.05%
NATURAL SOURCES Total						0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	01	NATURAL SOURCES	Biogenic	vegetation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	99	NATURAL SOURCES	Biogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	02	99	NATURAL SOURCES	Geogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	03	99	NATURAL SOURCES	Miscellaneous		0	0.00%	0	0.00%	0	0.00%	0	0.00%
MISCELLANEOUS Total						180	0.22%	0	0.19%	23	0.02%	0	0.01%
14	01	99	MISCELLANEOUS	Agriculture & Forestry		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	01	MISCELLANEOUS	Other Combustion	structural fires	176	0.21%	0	0.19%	22	0.02%	0	0.01%
14	02	02	MISCELLANEOUS	Other Combustion	agricultural fires	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	03	MISCELLANEOUS	Other Combustion	slash/prescribed burning	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	04	MISCELLANEOUS	Other Combustion	forest wildfires	3	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	99	MISCELLANEOUS	Other Combustion		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 5: Baltimore, MD Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
14	03	99	MISCELLANEOUS	Catastrophic/Accidental Releases		2	0.00%	0	0.00%	0	0.00%	0	0.00%
14	04	99	MISCELLANEOUS	Repair Shops		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	05	99	MISCELLANEOUS	Health Services		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	06	99	MISCELLANEOUS	Cooling Towers		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	07	99	MISCELLANEOUS	Fugitive Dust		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total Total						81,779	100.00%	259	100.00%	143,186	100.00%	423	100.00%

OSD = Ozone Summer Day

Table 6: Chicago, IL Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
FUEL COMB. ELEC. UTIL. Total						454	0.11%	1	0.10%	50,031	10.79%	131	11.62%
01	01	99	FUEL COMB. ELEC. UTIL.	Coal		250	0.06%	1	0.04%	46,003	9.93%	112	9.96%
01	02	99	FUEL COMB. ELEC. UTIL.	Oil		35	0.01%	0	0.01%	770	0.17%	2	0.16%
01	03	99	FUEL COMB. ELEC. UTIL.	Gas		76	0.02%	0	0.03%	2,144	0.46%	12	1.10%
01	04	99	FUEL COMB. ELEC. UTIL.	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	05	99	FUEL COMB. ELEC. UTIL.	Internal Combustion		94	0.02%	0	0.02%	1,113	0.24%	5	0.40%
FUEL COMB. INDUSTRIAL Total						1,281	0.30%	4	0.26%	41,736	9.00%	115	10.18%
02	01	99	FUEL COMB. INDUSTRIAL	Coal		57	0.01%	0	0.01%	5,428	1.17%	15	1.34%
02	02	99	FUEL COMB. INDUSTRIAL	Oil		54	0.01%	0	0.01%	3,603	0.78%	10	0.93%
02	03	99	FUEL COMB. INDUSTRIAL	Gas		995	0.23%	2	0.18%	30,442	6.57%	80	7.06%
02	04	99	FUEL COMB. INDUSTRIAL	Other		5	0.00%	0	0.00%	124	0.03%	0	0.03%
02	05	99	FUEL COMB. INDUSTRIAL	Internal Combustion		170	0.04%	1	0.06%	2,139	0.46%	9	0.81%
FUEL COMB. OTHER Total						4,564	1.07%	1	0.09%	87,350	18.85%	29	2.60%
03	01	99	FUEL COMB. OTHER	Commercial/Institutional Coal		6	0.00%	0	0.00%	379	0.08%	1	0.09%
03	02	99	FUEL COMB. OTHER	Commercial/Institutional Oil		39	0.01%	0	0.01%	2,599	0.56%	5	0.43%
03	03	99	FUEL COMB. OTHER	Commercial/Institutional Gas		133	0.03%	0	0.02%	4,656	1.00%	8	0.74%
03	04	99	FUEL COMB. OTHER	Misc. Fuel Comb. (Except Residential)		51	0.01%	0	0.01%	221	0.05%	1	0.06%
03	05	01	FUEL COMB. OTHER	Residential Wood	fireplaces	335	0.08%	0	0.00%	21	0.00%	0	0.00%
03	05	02	FUEL COMB. OTHER	Residential Wood	woodstoves	59	0.01%	0	0.00%	8	0.00%	0	0.00%
03	05	99	FUEL COMB. OTHER	Residential Wood		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	06	99	FUEL COMB. OTHER	Residential Other		3,940	0.93%	1	0.05%	79,467	17.15%	14	1.28%
CHEMICAL & ALLIED PRODUCT MFG Total						7,098	1.67%	25	1.82%	395	0.09%	1	0.10%
04	01	01	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene oxide mfg	3	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	02	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	phenol mfg	140	0.03%	0	0.03%	0	0.00%	0	0.00%
04	01	03	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	terephthalic acid mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	04	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene mfg	21	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	05	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	charcoal mfg	4	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	06	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi reactor	1,712	0.40%	6	0.45%	196	0.04%	1	0.05%
04	01	07	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi distillation	3	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	08	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi batch	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	09	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi air oxidation processes	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	10	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi fugitives	14	0.00%	0	0.00%	5	0.00%	0	0.00%
04	01	99	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg		25	0.01%	0	0.01%	0	0.00%	0	0.00%
04	02	99	CHEMICAL & ALLIED PRODUCT MFG	Inorganic Chemical Mfg		37	0.01%	0	0.01%	7	0.00%	0	0.00%
04	03	01	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polypropylene mfg	1	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	02	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polyethylene mfg	527	0.12%	2	0.12%	2	0.00%	0	0.00%
04	03	03	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polystyrene resins	62	0.01%	0	0.01%	0	0.00%	0	0.00%
04	03	04	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	synthetic fiber	1	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	05	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	styrene/butadiene rubber	107	0.03%	0	0.03%	0	0.00%	0	0.00%
04	03	06	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	leaks from polymer mfg.	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	99	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg		128	0.03%	0	0.03%	8	0.00%	0	0.00%
04	04	99	CHEMICAL & ALLIED PRODUCT MFG	Agricultural Chemical Mfg		1	0.00%	0	0.00%	134	0.03%	0	0.03%
04	05	01	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg	paint & varnish mfg	547	0.13%	2	0.15%	0	0.00%	0	0.00%
04	05	99	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg		558	0.13%	2	0.16%	0	0.00%	0	0.00%
04	06	99	CHEMICAL & ALLIED PRODUCT MFG	Pharmaceutical Mfg		246	0.06%	1	0.06%	0	0.00%	0	0.00%
04	07	01	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	02	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	printing ink mfg	385	0.09%	1	0.11%	0	0.00%	0	0.00%
04	07	03	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	fugitives unclassified	22	0.01%	0	0.01%	0	0.00%	0	0.00%
04	07	04	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black furnace: fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	99	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg		2,552	0.60%	9	0.64%	41	0.01%	0	0.01%
METALS PROCESSING Total						16,257	3.82%	47	3.38%	10,576	2.28%	37	3.30%
05	01	99	METALS PROCESSING	Non-Ferrous Metals Processing		296	0.07%	1	0.07%	2,839	0.61%	10	0.91%
05	02	01	METALS PROCESSING	Ferrous Metals Processing	coke oven door & topside leaks	3,343	0.79%	9	0.66%	48	0.01%	0	0.01%
05	02	02	METALS PROCESSING	Ferrous Metals Processing	coke oven by-product plants	3,516	0.83%	10	0.70%	322	0.07%	3	0.27%
05	02	99	METALS PROCESSING	Ferrous Metals Processing		8,934	2.10%	26	1.90%	6,948	1.50%	23	2.00%
05	03	99	METALS PROCESSING	Metals Processing NEC		169	0.04%	1	0.05%	419	0.09%	1	0.11%

Table 6: Chicago, IL Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
PETROLEUM & RELATED INDUSTRIES Total						1,564	0.37%	5	0.34%	1,860	0.40%	6	0.50%
06	01	99	PETROLEUM & RELATED INDUSTRIES	Oil & Gas Production		10	0.00%	0	0.00%	135	0.03%	0	0.03%
06	02	01	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	vaccum distillation	1	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	02	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	cracking units	23	0.01%	0	0.01%	1,421	0.31%	4	0.31%
06	02	03	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	process unit turnarounds	15	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	04	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	petroleum refinery fugitives	719	0.17%	2	0.15%	0	0.00%	0	0.00%
06	02	99	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries		481	0.11%	1	0.10%	0	0.00%	0	0.00%
06	03	99	PETROLEUM & RELATED INDUSTRIES	Asphalt Manufacturing		316	0.07%	1	0.09%	305	0.07%	2	0.15%
OTHER INDUSTRIAL PROCESSES Total						6,719	1.58%	18	1.34%	3,359	0.72%	10	0.85%
07	01	01	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	vegetable oil mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	02	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	whiskey fermentation: aging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	03	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	bakeries	304	0.07%	1	0.08%	9	0.00%	0	0.00%
07	01	99	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products		3,983	0.94%	9	0.67%	329	0.07%	1	0.09%
07	02	99	OTHER INDUSTRIAL PROCESSES	Textiles, Leather, & Apparel Products		59	0.01%	0	0.02%	2	0.00%	0	0.00%
07	03	99	OTHER INDUSTRIAL PROCESSES	Wood, Pulp & Paper, & Publishing Products		29	0.01%	0	0.01%	0	0.00%	0	0.00%
07	04	01	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	rubber tire mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	02	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	green tire spray	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	99	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products		802	0.19%	3	0.19%	7	0.00%	0	0.00%
07	05	99	OTHER INDUSTRIAL PROCESSES	Mineral Products		216	0.05%	1	0.05%	2,801	0.60%	8	0.70%
07	06	99	OTHER INDUSTRIAL PROCESSES	Machinery Products		773	0.18%	3	0.19%	183	0.04%	1	0.06%
07	07	99	OTHER INDUSTRIAL PROCESSES	Electronic Equipment		171	0.04%	1	0.04%	0	0.00%	0	0.00%
07	08	99	OTHER INDUSTRIAL PROCESSES	Transportation Equipment		35	0.01%	0	0.01%	0	0.00%	0	0.00%
07	09	99	OTHER INDUSTRIAL PROCESSES	Construction		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	10	99	OTHER INDUSTRIAL PROCESSES	Miscellaneous Industrial Processes		346	0.08%	1	0.09%	27	0.01%	0	0.01%
SOLVENT UTILIZATION Total						181,582	42.67%	652	47.19%	513	0.11%	2	0.16%
08	01	01	SOLVENT UTILIZATION	Degreasing	open top	1,071	0.25%	4	0.28%	0	0.00%	0	0.00%
08	01	02	SOLVENT UTILIZATION	Degreasing	conveyorized	157	0.04%	1	0.04%	0	0.00%	0	0.00%
08	01	03	SOLVENT UTILIZATION	Degreasing	cold cleaning	159	0.04%	1	0.04%	0	0.00%	0	0.00%
08	01	99	SOLVENT UTILIZATION	Degreasing		24,635	5.79%	88	6.34%	0	0.00%	0	0.00%
08	02	01	SOLVENT UTILIZATION	Graphic Arts	letterpress	707	0.17%	3	0.19%	4	0.00%	0	0.00%
08	02	02	SOLVENT UTILIZATION	Graphic Arts	flexographic	1,935	0.45%	8	0.55%	40	0.01%	0	0.01%
08	02	03	SOLVENT UTILIZATION	Graphic Arts	lithographic	1,435	0.34%	5	0.36%	28	0.01%	0	0.01%
08	02	04	SOLVENT UTILIZATION	Graphic Arts	gravure	2,922	0.69%	10	0.74%	2	0.00%	0	0.00%
08	02	99	SOLVENT UTILIZATION	Graphic Arts		3,033	0.71%	11	0.79%	24	0.01%	0	0.01%
08	03	01	SOLVENT UTILIZATION	Dry Cleaning	perchloroethylene	2,308	0.54%	8	0.58%	0	0.00%	0	0.00%
08	03	02	SOLVENT UTILIZATION	Dry Cleaning	petroleum solvent	3,306	0.78%	12	0.86%	0	0.00%	0	0.00%
08	03	99	SOLVENT UTILIZATION	Dry Cleaning		233	0.05%	1	0.06%	0	0.00%	0	0.00%
08	04	01	SOLVENT UTILIZATION	Surface Coating	industrial adhesives	13,994	3.29%	51	3.71%	16	0.00%	0	0.00%
08	04	02	SOLVENT UTILIZATION	Surface Coating	fabrics	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	03	SOLVENT UTILIZATION	Surface Coating	paper	1,278	0.30%	5	0.33%	8	0.00%	0	0.00%
08	04	04	SOLVENT UTILIZATION	Surface Coating	large appliances	731	0.17%	2	0.15%	0	0.00%	0	0.00%
08	04	05	SOLVENT UTILIZATION	Surface Coating	magnet wire	47	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	06	SOLVENT UTILIZATION	Surface Coating	autos & light trucks	558	0.13%	2	0.14%	5	0.00%	0	0.00%
08	04	07	SOLVENT UTILIZATION	Surface Coating	metal cans	8,739	2.05%	31	2.23%	0	0.00%	0	0.00%
08	04	08	SOLVENT UTILIZATION	Surface Coating	metal coil	1,916	0.45%	7	0.49%	250	0.05%	1	0.07%
08	04	09	SOLVENT UTILIZATION	Surface Coating	wood furniture	2,953	0.69%	11	0.79%	0	0.00%	0	0.00%
08	04	10	SOLVENT UTILIZATION	Surface Coating	metal furniture	1,003	0.24%	4	0.26%	0	0.00%	0	0.00%
08	04	11	SOLVENT UTILIZATION	Surface Coating	flatwood products	80	0.02%	0	0.02%	0	0.00%	0	0.00%
08	04	12	SOLVENT UTILIZATION	Surface Coating	plastic parts	183	0.04%	1	0.05%	0	0.00%	0	0.00%
08	04	13	SOLVENT UTILIZATION	Surface Coating	large ships	127	0.03%	0	0.03%	0	0.00%	0	0.00%
08	04	14	SOLVENT UTILIZATION	Surface Coating	aircraft	62	0.01%	0	0.02%	0	0.00%	0	0.00%
08	04	15	SOLVENT UTILIZATION	Surface Coating	misc. metal parts	2,413	0.57%	9	0.65%	15	0.00%	0	0.00%
08	04	16	SOLVENT UTILIZATION	Surface Coating	steel drums	554	0.13%	2	0.15%	0	0.00%	0	0.00%
08	04	17	SOLVENT UTILIZATION	Surface Coating	architectural	12,258	2.88%	44	3.19%	0	0.00%	0	0.00%
08	04	18	SOLVENT UTILIZATION	Surface Coating	traffic markings	3,239	0.76%	9	0.64%	0	0.00%	0	0.00%
08	04	19	SOLVENT UTILIZATION	Surface Coating	maintenance coatings	3,626	0.85%	13	0.96%	0	0.00%	0	0.00%
08	04	20	SOLVENT UTILIZATION	Surface Coating	railroad	570	0.13%	2	0.15%	0	0.00%	0	0.00%

Table 6: Chicago, IL Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
08	04	21	SOLVENT UTILIZATION	Surface Coating	auto refinishing	7,121	1.67%	27	1.96%	0	0.00%	0	0.00%
08	04	22	SOLVENT UTILIZATION	Surface Coating	machinery	890	0.21%	3	0.23%	0	0.00%	0	0.00%
08	04	23	SOLVENT UTILIZATION	Surface Coating	electronic & other electrical	5,203	1.22%	19	1.37%	0	0.00%	0	0.00%
08	04	24	SOLVENT UTILIZATION	Surface Coating	general	4,302	1.01%	17	1.20%	11	0.00%	0	0.00%
08	04	25	SOLVENT UTILIZATION	Surface Coating	miscellaneous	289	0.07%	1	0.08%	3	0.00%	0	0.00%
08	04	26	SOLVENT UTILIZATION	Surface Coating	thinning solvents	647	0.15%	3	0.19%	0	0.00%	0	0.00%
08	04	99	SOLVENT UTILIZATION	Surface Coating		12,761	3.00%	46	3.35%	74	0.02%	0	0.02%
08	05	01	SOLVENT UTILIZATION	Other Industrial	rubber & plastics mfg	2,306	0.54%	9	0.62%	0	0.00%	0	0.00%
08	05	99	SOLVENT UTILIZATION	Other Industrial		2,331	0.55%	7	0.52%	31	0.01%	0	0.01%
08	06	01	SOLVENT UTILIZATION	Nonindustrial	cutback asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	02	SOLVENT UTILIZATION	Nonindustrial	other asphalt	1,367	0.32%	5	0.36%	0	0.00%	0	0.00%
08	06	03	SOLVENT UTILIZATION	Nonindustrial	pesticide application	1,622	0.38%	6	0.42%	0	0.00%	0	0.00%
08	06	04	SOLVENT UTILIZATION	Nonindustrial	adhesives	11,332	2.66%	41	2.94%	0	0.00%	0	0.00%
08	06	05	SOLVENT UTILIZATION	Nonindustrial	consumer solvents	35,177	8.27%	126	9.12%	0	0.00%	0	0.00%
08	06	99	SOLVENT UTILIZATION	Nonindustrial		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	07	99	SOLVENT UTILIZATION	Solvent Utilization NEC		1	0.00%	0	0.00%	0	0.00%	0	0.00%
STORAGE & TRANSPORT Total						26,399	6.20%	73	5.27%	260	0.06%	1	0.06%
09	01	01	STORAGE & TRANSPORT	Bulk Terminals & Plants	fixed roof	40	0.01%	0	0.01%	0	0.00%	0	0.00%
09	01	02	STORAGE & TRANSPORT	Bulk Terminals & Plants	floating roof	203	0.05%	1	0.04%	0	0.00%	0	0.00%
09	01	03	STORAGE & TRANSPORT	Bulk Terminals & Plants	variable vapor space	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	04	STORAGE & TRANSPORT	Bulk Terminals & Plants	efr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	05	STORAGE & TRANSPORT	Bulk Terminals & Plants	ifr with seals	161	0.04%	0	0.03%	0	0.00%	0	0.00%
09	01	06	STORAGE & TRANSPORT	Bulk Terminals & Plants	underground tanks	48	0.01%	0	0.01%	0	0.00%	0	0.00%
09	01	07	STORAGE & TRANSPORT	Bulk Terminals & Plants	area source: gasoline	1,612	0.38%	4	0.32%	0	0.00%	0	0.00%
09	01	99	STORAGE & TRANSPORT	Bulk Terminals & Plants		337	0.08%	1	0.07%	0	0.00%	0	0.00%
09	02	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof gasoline	321	0.08%	1	0.06%	0	0.00%	0	0.00%
09	02	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof crude	13	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof gasoline	117	0.03%	0	0.02%	0	0.00%	0	0.00%
09	02	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof crude	2	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal gasoline	13	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	06	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal crude	3	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	07	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal gasoline	102	0.02%	0	0.02%	0	0.00%	0	0.00%
09	02	08	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	09	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	variable vapor space gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	10	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	11	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage		2,095	0.49%	6	0.42%	5	0.00%	0	0.00%
09	03	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / splash	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: balanced / submerged	30	0.01%	0	0.01%	0	0.00%	0	0.00%
09	03	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / submerged	306	0.07%	1	0.07%	3	0.00%	0	0.00%
09	03	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: clean / submerged	17	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	marine vessel loading: gasoline & crude	353	0.08%	1	0.05%	0	0.00%	0	0.00%
09	03	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport		689	0.16%	2	0.14%	0	0.00%	0	0.00%
09	04	99	STORAGE & TRANSPORT	Service Stations: Stage I		5,199	1.22%	14	1.03%	0	0.00%	0	0.00%
09	05	99	STORAGE & TRANSPORT	Service Stations: Stage II		13,752	3.23%	38	2.74%	0	0.00%	0	0.00%
09	06	99	STORAGE & TRANSPORT	Service Stations: Breathing & Emptying		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	07	99	STORAGE & TRANSPORT	Organic Chemical Storage		776	0.18%	2	0.17%	11	0.00%	0	0.00%
09	08	99	STORAGE & TRANSPORT	Organic Chemical Transport		38	0.01%	0	0.01%	0	0.00%	0	0.00%
09	09	99	STORAGE & TRANSPORT	Inorganic Chemical Storage		2	0.00%	0	0.00%	5	0.00%	0	0.00%
09	10	99	STORAGE & TRANSPORT	Inorganic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	11	99	STORAGE & TRANSPORT	Bulk Materials Storage		170	0.04%	1	0.04%	235	0.05%	1	0.06%
09	12	99	STORAGE & TRANSPORT	Bulk Materials Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
WASTE DISPOSAL & RECYCLING Total						3,735	0.88%	8	0.60%	1,014	0.22%	3	0.29%
10	01	99	WASTE DISPOSAL & RECYCLING	Incineration		969	0.23%	3	0.24%	796	0.17%	3	0.24%
10	02	01	WASTE DISPOSAL & RECYCLING	Open Burning	industrial	25	0.01%	0	0.00%	5	0.00%	0	0.00%
10	02	02	WASTE DISPOSAL & RECYCLING	Open Burning	commercial/institutional	1	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	03	WASTE DISPOSAL & RECYCLING	Open Burning	residential	363	0.09%	1	0.07%	69	0.01%	0	0.02%
10	02	99	WASTE DISPOSAL & RECYCLING	Open Burning		0	0.00%	0	0.00%	0	0.00%	0	0.00%

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TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
10	03	99	WASTE DISPOSAL & RECYCLING	POTW		378	0.09%	1	0.08%	1	0.00%	0	0.00%
10	04	99	WASTE DISPOSAL & RECYCLING	Industrial Waste Water		1,388	0.33%	1	0.08%	0	0.00%	0	0.00%
10	05	99	WASTE DISPOSAL & RECYCLING	TSDF		373	0.09%	1	0.07%	0	0.00%	0	0.00%
10	06	99	WASTE DISPOSAL & RECYCLING	Landfills		145	0.03%	0	0.03%	136	0.03%	0	0.03%
10	07	99	WASTE DISPOSAL & RECYCLING	Other		93	0.02%	0	0.02%	6	0.00%	0	0.00%
HIGHWAY VEHICLES Total						121,568	28.57%	305	22.11%	164,580	35.51%	419	37.08%
11	01	01	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	light-duty gas vehicles	65,227	15.33%	163	11.83%	74,943	16.17%	187	16.55%
11	01	02	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	motorcycles	762	0.18%	3	0.21%	282	0.06%	1	0.06%
11	01	99	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	02	01	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt1	28,133	6.61%	69	4.96%	30,526	6.59%	76	6.76%
11	02	02	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt2	17,741	4.17%	43	3.14%	18,005	3.88%	45	4.02%
11	02	99	HIGHWAY VEHICLES	Light-Duty Gas Trucks		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	03	99	HIGHWAY VEHICLES	Heavy-Duty Gas Vehicles		4,624	1.09%	14	0.99%	6,223	1.34%	16	1.44%
11	04	01	HIGHWAY VEHICLES	Diesels	hddv	4,549	1.07%	12	0.87%	33,328	7.19%	89	7.92%
11	04	02	HIGHWAY VEHICLES	Diesels	lddt	174	0.04%	0	0.04%	347	0.07%	1	0.09%
11	04	03	HIGHWAY VEHICLES	Diesels	lddv	361	0.08%	1	0.08%	925	0.20%	3	0.24%
11	04	99	HIGHWAY VEHICLES	Diesels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
OFF-HIGHWAY Total						53,533	12.58%	240	17.35%	101,730	21.95%	375	33.22%
12	01	01	OFF-HIGHWAY	Non-Road Gasoline	recreational	1,080	0.25%	4	0.30%	0	0.00%	0	0.00%
12	01	02	OFF-HIGHWAY	Non-Road Gasoline	construction	1,027	0.24%	5	0.34%	113	0.02%	0	0.04%
12	01	03	OFF-HIGHWAY	Non-Road Gasoline	industrial	784	0.18%	3	0.18%	376	0.08%	1	0.09%
12	01	04	OFF-HIGHWAY	Non-Road Gasoline	lawn & garden	22,531	5.30%	112	8.08%	1,290	0.28%	6	0.51%
12	01	05	OFF-HIGHWAY	Non-Road Gasoline	farm	79	0.02%	0	0.03%	23	0.00%	0	0.01%
12	01	06	OFF-HIGHWAY	Non-Road Gasoline	light commercial	7,116	1.67%	19	1.39%	724	0.16%	2	0.14%
12	01	07	OFF-HIGHWAY	Non-Road Gasoline	logging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	01	08	OFF-HIGHWAY	Non-Road Gasoline	airport service	29	0.01%	0	0.01%	11	0.00%	0	0.00%
12	01	09	OFF-HIGHWAY	Non-Road Gasoline	recreational marine vessels	5,808	1.36%	41	2.98%	319	0.07%	2	0.20%
12	01	99	OFF-HIGHWAY	Non-Road Gasoline		8	0.00%	0	0.00%	1	0.00%	0	0.00%
12	02	01	OFF-HIGHWAY	Non-Road Diesel	recreational	15	0.00%	0	0.01%	58	0.01%	0	0.03%
12	02	02	OFF-HIGHWAY	Non-Road Diesel	construction	5,239	1.23%	25	1.78%	31,030	6.69%	145	12.88%
12	02	03	OFF-HIGHWAY	Non-Road Diesel	industrial	1,469	0.35%	5	0.35%	8,954	1.93%	29	2.59%
12	02	04	OFF-HIGHWAY	Non-Road Diesel	lawn & garden	476	0.11%	3	0.19%	2,266	0.49%	12	1.09%
12	02	05	OFF-HIGHWAY	Non-Road Diesel	farm	438	0.10%	2	0.17%	3,668	0.79%	20	1.77%
12	02	06	OFF-HIGHWAY	Non-Road Diesel	light commercial	586	0.14%	2	0.12%	3,751	0.81%	10	0.90%
12	02	07	OFF-HIGHWAY	Non-Road Diesel	logging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	02	08	OFF-HIGHWAY	Non-Road Diesel	airport service	117	0.03%	0	0.02%	592	0.13%	2	0.14%
12	02	09	OFF-HIGHWAY	Non-Road Diesel	railway maintenance	26	0.01%	0	0.01%	122	0.03%	0	0.03%
12	02	99	OFF-HIGHWAY	Non-Road Diesel		25	0.01%	0	0.01%	161	0.03%	1	0.11%
12	03	99	OFF-HIGHWAY	Aircraft		4,327	1.02%	12	0.89%	5,147	1.11%	15	1.30%
12	04	01	OFF-HIGHWAY	Marine Vessels	coal	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	02	OFF-HIGHWAY	Marine Vessels	diesel	212	0.05%	1	0.04%	6,151	1.33%	17	1.48%
12	04	03	OFF-HIGHWAY	Marine Vessels	residual oil	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	04	OFF-HIGHWAY	Marine Vessels	gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	99	OFF-HIGHWAY	Marine Vessels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	05	99	OFF-HIGHWAY	Railroads		2,140	0.50%	6	0.46%	36,975	7.98%	112	9.89%
NATURAL SOURCES Total						0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	01	NATURAL SOURCES	Biogenic	vegetation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	99	NATURAL SOURCES	Biogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	02	99	NATURAL SOURCES	Geogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	03	99	NATURAL SOURCES	Miscellaneous		0	0.00%	0	0.00%	0	0.00%	0	0.00%
MISCELLANEOUS Total						761	0.18%	2	0.16%	92	0.02%	0	0.02%
14	01	99	MISCELLANEOUS	Agriculture & Forestry		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	01	MISCELLANEOUS	Other Combustion	structural fires	677	0.16%	2	0.13%	86	0.02%	0	0.02%
14	02	02	MISCELLANEOUS	Other Combustion	agricultural fires	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	03	MISCELLANEOUS	Other Combustion	slash/prescribed burning	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	04	MISCELLANEOUS	Other Combustion	forest wildfires	29	0.01%	0	0.01%	6	0.00%	0	0.00%
14	02	99	MISCELLANEOUS	Other Combustion		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 6: Chicago, IL Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
14	03	99	MISCELLANEOUS	Catastrophic/Accidental Releases		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	04	99	MISCELLANEOUS	Repair Shops		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	05	99	MISCELLANEOUS	Health Services		54	0.01%	0	0.01%	0	0.00%	0	0.00%
14	06	99	MISCELLANEOUS	Cooling Towers		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	07	99	MISCELLANEOUS	Fugitive Dust		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total Total						425,515	100.00%	1,381	100.00%	463,496	100.00%	1,129	100.00%

OSD = Ozone Summer Day

Table 7: Houston, TX Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
FUEL COMB. ELEC. UTIL. Total						1,288	0.45%	5	0.62%	78,678	14.50%	283	17.86%
01	01	99	FUEL COMB. ELEC. UTIL.	Coal		298	0.10%	1	0.12%	40,805	7.52%	134	8.43%
01	02	99	FUEL COMB. ELEC. UTIL.	Oil		6	0.00%	0	0.00%	164	0.03%	0	0.00%
01	03	99	FUEL COMB. ELEC. UTIL.	Gas		694	0.25%	3	0.40%	20,995	3.87%	103	6.48%
01	04	99	FUEL COMB. ELEC. UTIL.	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	05	99	FUEL COMB. ELEC. UTIL.	Internal Combustion		290	0.10%	1	0.10%	16,715	3.08%	47	2.94%
FUEL COMB. INDUSTRIAL Total						7,659	2.70%	22	2.60%	125,532	23.13%	356	22.48%
02	01	99	FUEL COMB. INDUSTRIAL	Coal		0	0.00%	0	0.00%	0	0.00%	0	0.00%
02	02	99	FUEL COMB. INDUSTRIAL	Oil		96	0.03%	0	0.03%	1,921	0.35%	6	0.38%
02	03	99	FUEL COMB. INDUSTRIAL	Gas		5,759	2.03%	15	1.82%	59,280	10.92%	165	10.40%
02	04	99	FUEL COMB. INDUSTRIAL	Other		193	0.07%	1	0.06%	5,490	1.01%	16	1.00%
02	05	99	FUEL COMB. INDUSTRIAL	Internal Combustion		1,611	0.57%	6	0.68%	58,842	10.84%	170	10.70%
FUEL COMB. OTHER Total						540	0.19%	1	0.08%	12,479	2.30%	28	1.75%
03	01	99	FUEL COMB. OTHER	Commercial/Institutional Coal		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	02	99	FUEL COMB. OTHER	Commercial/Institutional Oil		8	0.00%	0	0.00%	475	0.09%	1	0.06%
03	03	99	FUEL COMB. OTHER	Commercial/Institutional Gas		244	0.09%	0	0.06%	9,017	1.66%	24	1.50%
03	04	99	FUEL COMB. OTHER	Misc. Fuel Comb. (Except Residential)		24	0.01%	0	0.01%	228	0.04%	1	0.05%
03	05	01	FUEL COMB. OTHER	Residential Wood	fireplaces	0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	05	02	FUEL COMB. OTHER	Residential Wood	woodstoves	0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	05	99	FUEL COMB. OTHER	Residential Wood		116	0.04%	0	0.00%	12	0.00%	0	0.00%
03	06	99	FUEL COMB. OTHER	Residential Other		148	0.05%	0	0.01%	2,747	0.51%	2	0.14%
CHEMICAL & ALLIED PRODUCT MFG Total						23,321	8.23%	68	8.12%	4,377	0.81%	12	0.76%
04	01	01	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene oxide mfg	50	0.02%	0	0.01%	0	0.00%	0	0.00%
04	01	02	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	phenol mfg	198	0.07%	0	0.05%	9	0.00%	0	0.00%
04	01	03	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	terephthalic acid mfg	66	0.02%	0	0.02%	5	0.00%	0	0.00%
04	01	04	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene mfg	2,282	0.81%	6	0.75%	80	0.01%	0	0.02%
04	01	05	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	charcoal mfg	0	0.00%	0	0.00%	3	0.00%	0	0.00%
04	01	06	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi reactor	1,438	0.51%	4	0.47%	131	0.02%	0	0.01%
04	01	07	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi distillation	229	0.08%	1	0.08%	35	0.01%	0	0.01%
04	01	08	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi batch	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	09	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi air oxidation processes	0	0.00%	0	0.00%	6	0.00%	0	0.00%
04	01	10	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi fugitives	3,328	1.17%	10	1.17%	3	0.00%	0	0.00%
04	01	99	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg		3,160	1.12%	9	1.09%	2,198	0.41%	6	0.38%
04	02	99	CHEMICAL & ALLIED PRODUCT MFG	Inorganic Chemical Mfg		291	0.10%	1	0.09%	172	0.03%	0	0.03%
04	03	01	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polypropylene mfg	704	0.25%	2	0.24%	7	0.00%	0	0.00%
04	03	02	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polyethylene mfg	3,482	1.23%	9	1.12%	82	0.02%	0	0.01%
04	03	03	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polystyrene resins	54	0.02%	0	0.02%	0	0.00%	0	0.00%
04	03	04	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	synthetic fiber	7	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	05	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	styrene/butadiene rubber	543	0.19%	1	0.18%	56	0.01%	0	0.01%
04	03	06	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	leaks from polymer mfg.	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	99	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg		886	0.31%	2	0.27%	121	0.02%	0	0.02%
04	04	99	CHEMICAL & ALLIED PRODUCT MFG	Agricultural Chemical Mfg		130	0.05%	0	0.04%	90	0.02%	0	0.02%
04	05	01	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg	paint & varnish mfg	31	0.01%	0	0.01%	0	0.00%	0	0.00%
04	05	99	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	06	99	CHEMICAL & ALLIED PRODUCT MFG	Pharmaceutical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	01	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black mfg	0	0.00%	0	0.00%	13	0.00%	0	0.00%
04	07	02	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	printing ink mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	03	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	fugitives unclassified	4,021	1.42%	12	1.47%	23	0.00%	0	0.00%
04	07	04	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black furnace: fugitives	114	0.04%	1	0.08%	7	0.00%	0	0.00%
04	07	99	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg		2,305	0.81%	8	0.95%	1,336	0.25%	4	0.23%
METALS PROCESSING Total						186	0.07%	1	0.08%	325	0.06%	1	0.07%
05	01	99	METALS PROCESSING	Non-Ferrous Metals Processing		12	0.00%	0	0.00%	5	0.00%	0	0.00%
05	02	01	METALS PROCESSING	Ferrous Metals Processing	coke oven door & topside leaks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	02	METALS PROCESSING	Ferrous Metals Processing	coke oven by-product plants	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	99	METALS PROCESSING	Ferrous Metals Processing		68	0.02%	0	0.03%	309	0.06%	1	0.06%
05	03	99	METALS PROCESSING	Metals Processing NEC		106	0.04%	0	0.05%	11	0.00%	0	0.00%

Table 7: Houston, TX Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
PETROLEUM & RELATED INDUSTRIES Total						21,215	7.49%	60	7.10%	7,242	1.33%	20	1.23%
06	01	99	PETROLEUM & RELATED INDUSTRIES	Oil & Gas Production		5,536	1.95%	15	1.79%	1,990	0.37%	5	0.33%
06	02	01	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	vacuum distillation	150	0.05%	1	0.07%	16	0.00%	0	0.00%
06	02	02	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	cracking units	1,417	0.50%	4	0.47%	4,849	0.89%	13	0.83%
06	02	03	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	process unit turnarounds	29	0.01%	0	0.01%	0	0.00%	0	0.00%
06	02	04	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	petroleum refinery fugitives	8,426	2.97%	24	2.89%	378	0.07%	1	0.07%
06	02	99	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries		5,633	1.99%	16	1.86%	4	0.00%	0	0.00%
06	03	99	PETROLEUM & RELATED INDUSTRIES	Asphalt Manufacturing		25	0.01%	0	0.01%	5	0.00%	0	0.00%
OTHER INDUSTRIAL PROCESSES Total						3,275	1.16%	10	1.16%	949	0.17%	3	0.17%
07	01	01	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	vegetable oil mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	02	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	whiskey fermentation: aging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	03	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	bakeries	320	0.11%	1	0.12%	16	0.00%	0	0.00%
07	01	99	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products		240	0.08%	1	0.09%	18	0.00%	0	0.00%
07	02	99	OTHER INDUSTRIAL PROCESSES	Textiles, Leather, & Apparel Products		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	03	99	OTHER INDUSTRIAL PROCESSES	Wood, Pulp & Paper, & Publishing Products		2,236	0.79%	6	0.75%	552	0.10%	2	0.10%
07	04	01	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	rubber tire mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	02	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	green tire spray	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	99	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products		127	0.04%	1	0.06%	0	0.00%	0	0.00%
07	05	99	OTHER INDUSTRIAL PROCESSES	Mineral Products		108	0.04%	0	0.05%	341	0.06%	1	0.07%
07	06	99	OTHER INDUSTRIAL PROCESSES	Machinery Products		110	0.04%	0	0.04%	3	0.00%	0	0.00%
07	07	99	OTHER INDUSTRIAL PROCESSES	Electronic Equipment		30	0.01%	0	0.01%	0	0.00%	0	0.00%
07	08	99	OTHER INDUSTRIAL PROCESSES	Transportation Equipment		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	09	99	OTHER INDUSTRIAL PROCESSES	Construction		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	10	99	OTHER INDUSTRIAL PROCESSES	Miscellaneous Industrial Processes		104	0.04%	0	0.04%	18	0.00%	0	0.00%
SOLVENT UTILIZATION Total						47,048	16.60%	159	18.98%	31	0.01%	0	0.01%
08	01	01	SOLVENT UTILIZATION	Degreasing	open top	14	0.00%	0	0.00%	0	0.00%	0	0.00%
08	01	02	SOLVENT UTILIZATION	Degreasing	conveyorized	50	0.02%	0	0.02%	0	0.00%	0	0.00%
08	01	03	SOLVENT UTILIZATION	Degreasing	cold cleaning	3,270	1.15%	11	1.36%	0	0.00%	0	0.00%
08	01	99	SOLVENT UTILIZATION	Degreasing		77	0.03%	1	0.08%	8	0.00%	0	0.00%
08	02	01	SOLVENT UTILIZATION	Graphic Arts	letterpress	33	0.01%	0	0.01%	0	0.00%	0	0.00%
08	02	02	SOLVENT UTILIZATION	Graphic Arts	flexographic	51	0.02%	0	0.02%	0	0.00%	0	0.00%
08	02	03	SOLVENT UTILIZATION	Graphic Arts	lithographic	7	0.00%	0	0.00%	0	0.00%	0	0.00%
08	02	04	SOLVENT UTILIZATION	Graphic Arts	gravure	69	0.02%	0	0.02%	0	0.00%	0	0.00%
08	02	99	SOLVENT UTILIZATION	Graphic Arts		2,079	0.73%	6	0.68%	0	0.00%	0	0.00%
08	03	01	SOLVENT UTILIZATION	Dry Cleaning	perchloroethylene	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	03	02	SOLVENT UTILIZATION	Dry Cleaning	petroleum solvent	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	03	99	SOLVENT UTILIZATION	Dry Cleaning		1,063	0.38%	4	0.49%	0	0.00%	0	0.00%
08	04	01	SOLVENT UTILIZATION	Surface Coating	industrial adhesives	6	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	02	SOLVENT UTILIZATION	Surface Coating	fabrics	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	03	SOLVENT UTILIZATION	Surface Coating	paper	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	04	SOLVENT UTILIZATION	Surface Coating	large appliances	8	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	05	SOLVENT UTILIZATION	Surface Coating	magnet wire	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	06	SOLVENT UTILIZATION	Surface Coating	autos & light trucks	111	0.04%	0	0.05%	0	0.00%	0	0.00%
08	04	07	SOLVENT UTILIZATION	Surface Coating	metal cans	3,396	1.20%	13	1.52%	2	0.00%	0	0.00%
08	04	08	SOLVENT UTILIZATION	Surface Coating	metal coil	1,429	0.50%	5	0.63%	0	0.00%	0	0.00%
08	04	09	SOLVENT UTILIZATION	Surface Coating	wood furniture	1,174	0.41%	5	0.54%	0	0.00%	0	0.00%
08	04	10	SOLVENT UTILIZATION	Surface Coating	metal furniture	0	0.00%	0	0.00%	1	0.00%	0	0.00%
08	04	11	SOLVENT UTILIZATION	Surface Coating	flatwood products	115	0.04%	2	0.22%	0	0.00%	0	0.00%
08	04	12	SOLVENT UTILIZATION	Surface Coating	plastic parts	20	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	13	SOLVENT UTILIZATION	Surface Coating	large ships	243	0.09%	1	0.11%	0	0.00%	0	0.00%
08	04	14	SOLVENT UTILIZATION	Surface Coating	aircraft	15	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	15	SOLVENT UTILIZATION	Surface Coating	misc. metal parts	202	0.07%	2	0.18%	0	0.00%	0	0.00%
08	04	16	SOLVENT UTILIZATION	Surface Coating	steel drums	97	0.03%	0	0.03%	0	0.00%	0	0.00%
08	04	17	SOLVENT UTILIZATION	Surface Coating	architectural	7,224	2.55%	26	3.06%	0	0.00%	0	0.00%
08	04	18	SOLVENT UTILIZATION	Surface Coating	traffic markings	1,027	0.36%	3	0.34%	0	0.00%	0	0.00%
08	04	19	SOLVENT UTILIZATION	Surface Coating	maintenance coatings	1,591	0.56%	6	0.73%	0	0.00%	0	0.00%
08	04	20	SOLVENT UTILIZATION	Surface Coating	railroad	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 7: Houston, TX Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
08	04	21	SOLVENT UTILIZATION	Surface Coating	auto refinishing	1,906	0.67%	7	0.79%	0	0.00%	0	0.00%
08	04	22	SOLVENT UTILIZATION	Surface Coating	machinery	644	0.23%	2	0.29%	0	0.00%	0	0.00%
08	04	23	SOLVENT UTILIZATION	Surface Coating	electronic & other electrical	2,298	0.81%	8	0.99%	0	0.00%	0	0.00%
08	04	24	SOLVENT UTILIZATION	Surface Coating	general	461	0.16%	2	0.21%	1	0.00%	0	0.00%
08	04	25	SOLVENT UTILIZATION	Surface Coating	miscellaneous	75	0.03%	0	0.03%	7	0.00%	0	0.00%
08	04	26	SOLVENT UTILIZATION	Surface Coating	thinning solvents	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	99	SOLVENT UTILIZATION	Surface Coating		3,561	1.26%	13	1.58%	10	0.00%	0	0.00%
08	05	01	SOLVENT UTILIZATION	Other Industrial	rubber & plastics mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	05	99	SOLVENT UTILIZATION	Other Industrial		181	0.06%	1	0.06%	1	0.00%	0	0.00%
08	06	01	SOLVENT UTILIZATION	Nonindustrial	cutback asphalt	231	0.08%	1	0.08%	0	0.00%	0	0.00%
08	06	02	SOLVENT UTILIZATION	Nonindustrial	other asphalt	99	0.03%	0	0.05%	0	0.00%	0	0.00%
08	06	03	SOLVENT UTILIZATION	Nonindustrial	pesticide application	1,029	0.36%	4	0.51%	0	0.00%	0	0.00%
08	06	04	SOLVENT UTILIZATION	Nonindustrial	adhesives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	05	SOLVENT UTILIZATION	Nonindustrial	consumer solvents	13,192	4.66%	36	4.30%	0	0.00%	0	0.00%
08	06	99	SOLVENT UTILIZATION	Nonindustrial		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	07	99	SOLVENT UTILIZATION	Solvent Utilization NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%
STORAGE & TRANSPORT Total						41,191	14.54%	118	14.09%	3,029	0.56%	8	0.52%
09	01	01	STORAGE & TRANSPORT	Bulk Terminals & Plants	fixed roof	33	0.01%	0	0.05%	0	0.00%	0	0.00%
09	01	02	STORAGE & TRANSPORT	Bulk Terminals & Plants	floating roof	815	0.29%	3	0.30%	0	0.00%	0	0.00%
09	01	03	STORAGE & TRANSPORT	Bulk Terminals & Plants	variable vapor space	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	04	STORAGE & TRANSPORT	Bulk Terminals & Plants	efr with seals	65	0.02%	0	0.02%	0	0.00%	0	0.00%
09	01	05	STORAGE & TRANSPORT	Bulk Terminals & Plants	ifr with seals	668	0.24%	2	0.25%	0	0.00%	0	0.00%
09	01	06	STORAGE & TRANSPORT	Bulk Terminals & Plants	underground tanks	100	0.04%	0	0.03%	1	0.00%	0	0.00%
09	01	07	STORAGE & TRANSPORT	Bulk Terminals & Plants	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	99	STORAGE & TRANSPORT	Bulk Terminals & Plants		2,408	0.85%	4	0.48%	6	0.00%	0	0.00%
09	02	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof gasoline	36	0.01%	0	0.01%	0	0.00%	0	0.00%
09	02	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof crude	1,115	0.39%	3	0.36%	0	0.00%	0	0.00%
09	02	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof gasoline	1,490	0.53%	4	0.51%	0	0.00%	0	0.00%
09	02	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof crude	361	0.13%	1	0.12%	0	0.00%	0	0.00%
09	02	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal gasoline	1,990	0.70%	5	0.64%	0	0.00%	0	0.00%
09	02	06	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal crude	245	0.09%	1	0.08%	0	0.00%	0	0.00%
09	02	07	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal gasoline	434	0.15%	1	0.15%	0	0.00%	0	0.00%
09	02	08	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal crude	30	0.01%	0	0.01%	0	0.00%	0	0.00%
09	02	09	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	variable vapor space gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	10	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	11	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage		12,993	4.58%	38	4.53%	0	0.00%	0	0.00%
09	03	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / splash	19	0.01%	0	0.01%	0	0.00%	0	0.00%
09	03	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: balanced / submerged	187	0.07%	1	0.07%	0	0.00%	0	0.00%
09	03	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / submerged	260	0.09%	1	0.11%	7	0.00%	0	0.00%
09	03	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: clean / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	marine vessel loading: gasoline & crude	158	0.06%	1	0.10%	0	0.00%	0	0.00%
09	03	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport		3,375	1.19%	11	1.35%	13	0.00%	0	0.00%
09	04	99	STORAGE & TRANSPORT	Service Stations: Stage I		1,032	0.36%	3	0.39%	0	0.00%	0	0.00%
09	05	99	STORAGE & TRANSPORT	Service Stations: Stage II		2,169	0.77%	6	0.71%	0	0.00%	0	0.00%
09	06	99	STORAGE & TRANSPORT	Service Stations: Breathing & Emptying		1,043	0.37%	3	0.34%	0	0.00%	0	0.00%
09	07	99	STORAGE & TRANSPORT	Organic Chemical Storage		7,887	2.78%	22	2.62%	2,988	0.55%	8	0.52%
09	08	99	STORAGE & TRANSPORT	Organic Chemical Transport		2,107	0.74%	7	0.78%	4	0.00%	0	0.00%
09	09	99	STORAGE & TRANSPORT	Inorganic Chemical Storage		165	0.06%	0	0.05%	6	0.00%	0	0.00%
09	10	99	STORAGE & TRANSPORT	Inorganic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	11	99	STORAGE & TRANSPORT	Bulk Materials Storage		8	0.00%	0	0.00%	5	0.00%	0	0.00%
09	12	99	STORAGE & TRANSPORT	Bulk Materials Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
WASTE DISPOSAL & RECYCLING Total						12,014	4.24%	33	3.92%	740	0.14%	2	0.14%
10	01	99	WASTE DISPOSAL & RECYCLING	Incineration		114	0.04%	0	0.04%	539	0.10%	2	0.10%
10	02	01	WASTE DISPOSAL & RECYCLING	Open Burning	industrial	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	02	WASTE DISPOSAL & RECYCLING	Open Burning	commercial/institutional	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	03	WASTE DISPOSAL & RECYCLING	Open Burning	residential	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	99	WASTE DISPOSAL & RECYCLING	Open Burning		7	0.00%	0	0.00%	1	0.00%	0	0.00%

Table 7: Houston, TX Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
10	03	99	WASTE DISPOSAL & RECYCLING	POTW		188	0.07%	1	0.06%	0	0.00%	0	0.00%
10	04	99	WASTE DISPOSAL & RECYCLING	Industrial Waste Water		736	0.26%	2	0.24%	2	0.00%	0	0.00%
10	05	99	WASTE DISPOSAL & RECYCLING	TSDF		7,339	2.59%	20	2.39%	0	0.00%	0	0.00%
10	06	99	WASTE DISPOSAL & RECYCLING	Landfills		2,949	1.04%	8	0.96%	0	0.00%	0	0.00%
10	07	99	WASTE DISPOSAL & RECYCLING	Other		680	0.24%	2	0.22%	198	0.04%	1	0.03%
HIGHWAY VEHICLES Total						82,813	29.22%	221	26.32%	107,787	19.86%	294	18.52%
11	01	01	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	light-duty gas vehicles	44,746	15.79%	117	13.96%	45,143	8.32%	123	7.79%
11	01	02	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	motorcycles	791	0.28%	3	0.36%	181	0.03%	0	0.03%
11	01	99	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	02	01	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt1	18,591	6.56%	50	6.00%	18,796	3.46%	51	3.25%
11	02	02	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt2	11,551	4.08%	31	3.63%	11,531	2.13%	32	2.01%
11	02	99	HIGHWAY VEHICLES	Light-Duty Gas Trucks		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	03	99	HIGHWAY VEHICLES	Heavy-Duty Gas Vehicles		3,354	1.18%	10	1.17%	4,373	0.81%	12	0.73%
11	04	01	HIGHWAY VEHICLES	Diesels	hddv	3,479	1.23%	9	1.10%	26,980	4.97%	72	4.57%
11	04	02	HIGHWAY VEHICLES	Diesels	lddt	95	0.03%	0	0.03%	214	0.04%	1	0.04%
11	04	03	HIGHWAY VEHICLES	Diesels	lddv	205	0.07%	1	0.07%	569	0.10%	2	0.10%
11	04	99	HIGHWAY VEHICLES	Diesels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
OFF-HIGHWAY Total						39,913	14.08%	137	16.26%	200,742	36.99%	578	36.46%
12	01	01	OFF-HIGHWAY	Non-Road Gasoline	recreational	1,635	0.58%	7	0.80%	11	0.00%	0	0.00%
12	01	02	OFF-HIGHWAY	Non-Road Gasoline	construction	627	0.22%	2	0.27%	63	0.01%	0	0.01%
12	01	03	OFF-HIGHWAY	Non-Road Gasoline	industrial	1,934	0.68%	6	0.67%	410	0.08%	1	0.07%
12	01	04	OFF-HIGHWAY	Non-Road Gasoline	lawn & garden	15,676	5.53%	56	6.66%	797	0.15%	3	0.16%
12	01	05	OFF-HIGHWAY	Non-Road Gasoline	farm	33	0.01%	0	0.01%	8	0.00%	0	0.00%
12	01	06	OFF-HIGHWAY	Non-Road Gasoline	light commercial	3,723	1.31%	10	1.21%	333	0.06%	1	0.05%
12	01	07	OFF-HIGHWAY	Non-Road Gasoline	logging	20	0.01%	0	0.01%	0	0.00%	0	0.00%
12	01	08	OFF-HIGHWAY	Non-Road Gasoline	airport service	15	0.01%	0	0.00%	5	0.00%	0	0.00%
12	01	09	OFF-HIGHWAY	Non-Road Gasoline	recreational marine vessels	3,603	1.27%	17	2.06%	174	0.03%	1	0.05%
12	01	99	OFF-HIGHWAY	Non-Road Gasoline		4	0.00%	0	0.00%	0	0.00%	0	0.00%
12	02	01	OFF-HIGHWAY	Non-Road Diesel	recreational	5	0.00%	0	0.00%	20	0.00%	0	0.01%
12	02	02	OFF-HIGHWAY	Non-Road Diesel	construction	3,200	1.13%	12	1.37%	18,961	3.49%	68	4.30%
12	02	03	OFF-HIGHWAY	Non-Road Diesel	industrial	1,350	0.48%	4	0.47%	12,247	2.26%	37	2.30%
12	02	04	OFF-HIGHWAY	Non-Road Diesel	lawn & garden	380	0.13%	1	0.17%	1,811	0.33%	7	0.42%
12	02	05	OFF-HIGHWAY	Non-Road Diesel	farm	176	0.06%	1	0.08%	1,474	0.27%	5	0.34%
12	02	06	OFF-HIGHWAY	Non-Road Diesel	light commercial	309	0.11%	1	0.10%	1,978	0.36%	5	0.34%
12	02	07	OFF-HIGHWAY	Non-Road Diesel	logging	22	0.01%	0	0.01%	117	0.02%	0	0.02%
12	02	08	OFF-HIGHWAY	Non-Road Diesel	airport service	64	0.02%	0	0.02%	324	0.06%	1	0.06%
12	02	09	OFF-HIGHWAY	Non-Road Diesel	railway maintenance	14	0.00%	0	0.00%	67	0.01%	0	0.01%
12	02	99	OFF-HIGHWAY	Non-Road Diesel		14	0.01%	0	0.01%	92	0.02%	0	0.03%
12	03	99	OFF-HIGHWAY	Aircraft		2,338	0.82%	7	0.79%	2,420	0.45%	7	0.43%
12	04	01	OFF-HIGHWAY	Marine Vessels	coal	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	02	OFF-HIGHWAY	Marine Vessels	diesel	4,366	1.54%	12	1.41%	133,154	24.54%	362	22.83%
12	04	03	OFF-HIGHWAY	Marine Vessels	residual oil	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	04	OFF-HIGHWAY	Marine Vessels	gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	99	OFF-HIGHWAY	Marine Vessels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	05	99	OFF-HIGHWAY	Railroads		403	0.14%	1	0.13%	26,275	4.84%	79	5.01%
NATURAL SOURCES Total						0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	01	NATURAL SOURCES	Biogenic	vegetation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	99	NATURAL SOURCES	Biogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	02	99	NATURAL SOURCES	Geogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	03	99	NATURAL SOURCES	Miscellaneous		0	0.00%	0	0.00%	0	0.00%	0	0.00%
MISCELLANEOUS Total						2,927	1.03%	5	0.65%	716	0.13%	0	0.03%
14	01	99	MISCELLANEOUS	Agriculture & Forestry		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	01	MISCELLANEOUS	Other Combustion	structural fires	1	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	02	MISCELLANEOUS	Other Combustion	agricultural fires	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	03	MISCELLANEOUS	Other Combustion	slash/prescribed burning	835	0.29%	1	0.11%	472	0.09%	0	0.00%
14	02	04	MISCELLANEOUS	Other Combustion	forest wildfires	1,467	0.52%	1	0.15%	245	0.05%	0	0.03%
14	02	99	MISCELLANEOUS	Other Combustion		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 7: Houston, TX Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
14	03	99	MISCELLANEOUS	Catastrophic/Accidental Releases		160	0.06%	0	0.05%	0	0.00%	0	0.00%
14	04	99	MISCELLANEOUS	Repair Shops		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	05	99	MISCELLANEOUS	Health Services		1	0.00%	0	0.00%	0	0.00%	0	0.00%
14	06	99	MISCELLANEOUS	Cooling Towers		462	0.16%	3	0.34%	0	0.00%	0	0.00%
14	07	99	MISCELLANEOUS	Fugitive Dust		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total Total						283,388	100.00%	840	100.00%	542,629	100.00%	1,585	100.00%

OSD = Ozone Summer Day

Table 8: Milwaukee, WI Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
FUEL COMB. ELEC. UTIL. Total						282	0.05%	1	0.05%	41,641	30.85%	111	32.43%
01	01	99	FUEL COMB. ELEC. UTIL.	Coal		267	0.05%	1	0.05%	41,176	30.50%	110	32.08%
01	02	99	FUEL COMB. ELEC. UTIL.	Oil		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	03	99	FUEL COMB. ELEC. UTIL.	Gas		3	0.00%	0	0.00%	50	0.04%	0	0.02%
01	04	99	FUEL COMB. ELEC. UTIL.	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	05	99	FUEL COMB. ELEC. UTIL.	Internal Combustion		12	0.00%	0	0.00%	414	0.31%	1	0.33%
FUEL COMB. INDUSTRIAL Total						390	0.08%	1	0.09%	5,596	4.15%	17	4.99%
02	01	99	FUEL COMB. INDUSTRIAL	Coal		2	0.00%	0	0.00%	587	0.44%	2	0.61%
02	02	99	FUEL COMB. INDUSTRIAL	Oil		12	0.00%	0	0.00%	445	0.33%	1	0.41%
02	03	99	FUEL COMB. INDUSTRIAL	Gas		135	0.03%	0	0.03%	4,089	3.03%	12	3.56%
02	04	99	FUEL COMB. INDUSTRIAL	Other		232	0.05%	1	0.06%	193	0.14%	1	0.18%
02	05	99	FUEL COMB. INDUSTRIAL	Internal Combustion		9	0.00%	0	0.00%	282	0.21%	1	0.23%
FUEL COMB. OTHER Total						1,794	0.35%	1	0.06%	18,785	13.92%	10	3.02%
03	01	99	FUEL COMB. OTHER	Commercial/Institutional Coal		4	0.00%	0	0.00%	1,232	0.91%	3	0.74%
03	02	99	FUEL COMB. OTHER	Commercial/Institutional Oil		9	0.00%	0	0.00%	535	0.40%	1	0.27%
03	03	99	FUEL COMB. OTHER	Commercial/Institutional Gas		204	0.04%	0	0.03%	1,982	1.47%	4	1.03%
03	04	99	FUEL COMB. OTHER	Misc. Fuel Comb. (Except Residential)		107	0.02%	0	0.01%	146	0.11%	0	0.11%
03	05	01	FUEL COMB. OTHER	Residential Wood	fireplaces	751	0.15%	0	0.01%	48	0.04%	0	0.00%
03	05	02	FUEL COMB. OTHER	Residential Wood	woodstoves	0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	05	99	FUEL COMB. OTHER	Residential Wood		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	06	99	FUEL COMB. OTHER	Residential Other		720	0.14%	0	0.01%	14,842	10.99%	3	0.86%
CHEMICAL & ALLIED PRODUCT MFG Total						600	0.12%	2	0.11%	0	0.00%	0	0.00%
04	01	01	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene oxide mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	02	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	phenol mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	03	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	terephthalic acid mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	04	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	05	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	charcoal mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	06	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi reactor	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	07	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	08	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi batch	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	09	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi air oxidation processes	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	10	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	99	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	02	99	CHEMICAL & ALLIED PRODUCT MFG	Inorganic Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	01	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polypropylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	02	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polyethylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	03	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polystyrene resins	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	04	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	synthetic fiber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	05	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	styrene/butadiene rubber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	06	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	leaks from polymer mfg.	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	99	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg		114	0.02%	0	0.02%	0	0.00%	0	0.00%
04	04	99	CHEMICAL & ALLIED PRODUCT MFG	Agricultural Chemical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	05	01	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg	paint & varnish mfg	25	0.00%	0	0.00%	0	0.00%	0	0.00%
04	05	99	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg		427	0.08%	1	0.08%	0	0.00%	0	0.00%
04	06	99	CHEMICAL & ALLIED PRODUCT MFG	Pharmaceutical Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	01	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	02	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	printing ink mfg	9	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	03	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	fugitives unclassified	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	04	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black furnace: fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	99	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg		26	0.01%	0	0.00%	0	0.00%	0	0.00%
METALS PROCESSING Total						390,252	75.73%	1,069	71.95%	425	0.31%	1	0.34%
05	01	99	METALS PROCESSING	Non-Ferrous Metals Processing		254	0.05%	1	0.05%	108	0.08%	0	0.09%
05	02	01	METALS PROCESSING	Ferrous Metals Processing	coke oven door & topside leaks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	02	METALS PROCESSING	Ferrous Metals Processing	coke oven by-product plants	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	99	METALS PROCESSING	Ferrous Metals Processing		389,502	75.59%	1,067	71.81%	228	0.17%	1	0.18%
05	03	99	METALS PROCESSING	Metals Processing NEC		495	0.10%	1	0.09%	88	0.07%	0	0.07%

Table 8: Milwaukee, WI Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
PETROLEUM & RELATED INDUSTRIES Total						46	0.01%	0	0.01%	25	0.02%	0	0.02%
06	01	99	PETROLEUM & RELATED INDUSTRIES	Oil & Gas Production		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	01	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	vaccuum distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	02	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	cracking units	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	03	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	process unit turnarounds	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	04	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	petroleum refinery fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	99	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	03	99	PETROLEUM & RELATED INDUSTRIES	Asphalt Manufacturing		46	0.01%	0	0.01%	25	0.02%	0	0.02%
OTHER INDUSTRIAL PROCESSES Total						990	0.19%	3	0.18%	960	0.71%	3	0.76%
07	01	01	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	vegetable oil mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	02	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	whiskey fermentation: aging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	03	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	bakeries	402	0.08%	1	0.07%	0	0.00%	0	0.00%
07	01	99	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products		180	0.04%	0	0.03%	34	0.02%	0	0.03%
07	02	99	OTHER INDUSTRIAL PROCESSES	Textiles, Leather, & Apparel Products		9	0.00%	0	0.00%	0	0.00%	0	0.00%
07	03	99	OTHER INDUSTRIAL PROCESSES	Wood, Pulp & Paper, & Publishing Products		53	0.01%	0	0.01%	16	0.01%	0	0.01%
07	04	01	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	rubber tire mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	02	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	green tire spray	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	99	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products		103	0.02%	0	0.02%	0	0.00%	0	0.00%
07	05	99	OTHER INDUSTRIAL PROCESSES	Mineral Products		38	0.01%	0	0.01%	619	0.46%	2	0.49%
07	06	99	OTHER INDUSTRIAL PROCESSES	Machinery Products		40	0.01%	0	0.01%	290	0.21%	1	0.23%
07	07	99	OTHER INDUSTRIAL PROCESSES	Electronic Equipment		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	08	99	OTHER INDUSTRIAL PROCESSES	Transportation Equipment		1	0.00%	0	0.00%	1	0.00%	0	0.00%
07	09	99	OTHER INDUSTRIAL PROCESSES	Construction		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	10	99	OTHER INDUSTRIAL PROCESSES	Miscellaneous Industrial Processes		164	0.03%	0	0.03%	0	0.00%	0	0.00%
SOLVENT UTILIZATION Total						56,033	10.87%	195	13.14%	9	0.01%	0	0.01%
08	01	01	SOLVENT UTILIZATION	Degreasing	open top	167	0.03%	0	0.03%	0	0.00%	0	0.00%
08	01	02	SOLVENT UTILIZATION	Degreasing	conveyorized	76	0.01%	0	0.01%	0	0.00%	0	0.00%
08	01	03	SOLVENT UTILIZATION	Degreasing	cold cleaning	504	0.10%	1	0.10%	0	0.00%	0	0.00%
08	01	99	SOLVENT UTILIZATION	Degreasing		11,391	2.21%	41	2.73%	3	0.00%	0	0.00%
08	02	01	SOLVENT UTILIZATION	Graphic Arts	letterpress	56	0.01%	0	0.01%	0	0.00%	0	0.00%
08	02	02	SOLVENT UTILIZATION	Graphic Arts	flexographic	387	0.08%	1	0.07%	0	0.00%	0	0.00%
08	02	03	SOLVENT UTILIZATION	Graphic Arts	lithographic	446	0.09%	1	0.08%	0	0.00%	0	0.00%
08	02	04	SOLVENT UTILIZATION	Graphic Arts	gravure	16	0.00%	0	0.00%	0	0.00%	0	0.00%
08	02	99	SOLVENT UTILIZATION	Graphic Arts		1,547	0.30%	5	0.35%	0	0.00%	0	0.00%
08	03	01	SOLVENT UTILIZATION	Dry Cleaning	perchloroethylene	548	0.11%	2	0.13%	0	0.00%	0	0.00%
08	03	02	SOLVENT UTILIZATION	Dry Cleaning	petroleum solvent	1,122	0.22%	4	0.26%	0	0.00%	0	0.00%
08	03	99	SOLVENT UTILIZATION	Dry Cleaning		5	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	01	SOLVENT UTILIZATION	Surface Coating	industrial adhesives	5,513	1.07%	20	1.35%	0	0.00%	0	0.00%
08	04	02	SOLVENT UTILIZATION	Surface Coating	fabrics	130	0.03%	0	0.02%	0	0.00%	0	0.00%
08	04	03	SOLVENT UTILIZATION	Surface Coating	paper	296	0.06%	1	0.05%	0	0.00%	0	0.00%
08	04	04	SOLVENT UTILIZATION	Surface Coating	large appliances	853	0.17%	2	0.16%	0	0.00%	0	0.00%
08	04	05	SOLVENT UTILIZATION	Surface Coating	magnet wire	2	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	06	SOLVENT UTILIZATION	Surface Coating	autos & light trucks	2,997	0.58%	11	0.74%	0	0.00%	0	0.00%
08	04	07	SOLVENT UTILIZATION	Surface Coating	metal cans	1,064	0.21%	3	0.23%	0	0.00%	0	0.00%
08	04	08	SOLVENT UTILIZATION	Surface Coating	metal coil	523	0.10%	2	0.12%	0	0.00%	0	0.00%
08	04	09	SOLVENT UTILIZATION	Surface Coating	wood furniture	655	0.13%	2	0.16%	0	0.00%	0	0.00%
08	04	10	SOLVENT UTILIZATION	Surface Coating	metal furniture	215	0.04%	1	0.05%	0	0.00%	0	0.00%
08	04	11	SOLVENT UTILIZATION	Surface Coating	flatwood products	12	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	12	SOLVENT UTILIZATION	Surface Coating	plastic parts	29	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	13	SOLVENT UTILIZATION	Surface Coating	large ships	4	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	14	SOLVENT UTILIZATION	Surface Coating	aircraft	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	15	SOLVENT UTILIZATION	Surface Coating	misc. metal parts	913	0.18%	2	0.17%	3	0.00%	0	0.00%
08	04	16	SOLVENT UTILIZATION	Surface Coating	steel drums	102	0.02%	0	0.02%	0	0.00%	0	0.00%
08	04	17	SOLVENT UTILIZATION	Surface Coating	architectural	3,852	0.75%	14	0.93%	0	0.00%	0	0.00%
08	04	18	SOLVENT UTILIZATION	Surface Coating	traffic markings	801	0.16%	2	0.15%	0	0.00%	0	0.00%
08	04	19	SOLVENT UTILIZATION	Surface Coating	maintenance coatings	1,117	0.22%	4	0.27%	0	0.00%	0	0.00%
08	04	20	SOLVENT UTILIZATION	Surface Coating	railroad	90	0.02%	0	0.02%	0	0.00%	0	0.00%

Table 8: Milwaukee, WI Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
08	04	21	SOLVENT UTILIZATION	Surface Coating	auto refinishing	1,217	0.24%	5	0.31%	0	0.00%	0	0.00%
08	04	22	SOLVENT UTILIZATION	Surface Coating	machinery	502	0.10%	2	0.12%	0	0.00%	0	0.00%
08	04	23	SOLVENT UTILIZATION	Surface Coating	electronic & other electrical	3,518	0.68%	13	0.86%	0	0.00%	0	0.00%
08	04	24	SOLVENT UTILIZATION	Surface Coating	general	1,059	0.21%	3	0.19%	3	0.00%	0	0.00%
08	04	25	SOLVENT UTILIZATION	Surface Coating	miscellaneous	171	0.03%	0	0.03%	0	0.00%	0	0.00%
08	04	26	SOLVENT UTILIZATION	Surface Coating	thinning solvents	383	0.07%	1	0.07%	0	0.00%	0	0.00%
08	04	99	SOLVENT UTILIZATION	Surface Coating		1,851	0.36%	7	0.45%	0	0.00%	0	0.00%
08	05	01	SOLVENT UTILIZATION	Other Industrial	rubber & plastics mfg	430	0.08%	2	0.11%	0	0.00%	0	0.00%
08	05	99	SOLVENT UTILIZATION	Other Industrial		59	0.01%	0	0.01%	0	0.00%	0	0.00%
08	06	01	SOLVENT UTILIZATION	Nonindustrial	cutback asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	02	SOLVENT UTILIZATION	Nonindustrial	other asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	03	SOLVENT UTILIZATION	Nonindustrial	pesticide application	379	0.07%	1	0.09%	0	0.00%	0	0.00%
08	06	04	SOLVENT UTILIZATION	Nonindustrial	adhesives	2,758	0.54%	10	0.66%	0	0.00%	0	0.00%
08	06	05	SOLVENT UTILIZATION	Nonindustrial	consumer solvents	8,274	1.61%	30	1.99%	0	0.00%	0	0.00%
08	06	99	SOLVENT UTILIZATION	Nonindustrial		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	07	99	SOLVENT UTILIZATION	Solvent Utilization NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%
STORAGE & TRANSPORT Total						6,070	1.18%	17	1.12%	0	0.00%	0	0.00%
09	01	01	STORAGE & TRANSPORT	Bulk Terminals & Plants	fixed roof	1	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	02	STORAGE & TRANSPORT	Bulk Terminals & Plants	floating roof	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	03	STORAGE & TRANSPORT	Bulk Terminals & Plants	variable vapor space	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	04	STORAGE & TRANSPORT	Bulk Terminals & Plants	efr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	05	STORAGE & TRANSPORT	Bulk Terminals & Plants	ifr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	06	STORAGE & TRANSPORT	Bulk Terminals & Plants	underground tanks	3	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	07	STORAGE & TRANSPORT	Bulk Terminals & Plants	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	99	STORAGE & TRANSPORT	Bulk Terminals & Plants		1	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof gasoline	1	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal gasoline	3	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	06	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	07	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal gasoline	73	0.01%	0	0.01%	0	0.00%	0	0.00%
09	02	08	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	09	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	variable vapor space gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	10	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	11	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage		31	0.01%	0	0.01%	0	0.00%	0	0.00%
09	03	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / splash	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: balanced / submerged	13	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: clean / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	marine vessel loading: gasoline & crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport		87	0.02%	0	0.02%	0	0.00%	0	0.00%
09	04	99	STORAGE & TRANSPORT	Service Stations: Stage I		1,337	0.26%	4	0.25%	0	0.00%	0	0.00%
09	05	99	STORAGE & TRANSPORT	Service Stations: Stage II		4,459	0.87%	12	0.82%	0	0.00%	0	0.00%
09	06	99	STORAGE & TRANSPORT	Service Stations: Breathing & Emptying		64	0.01%	0	0.01%	0	0.00%	0	0.00%
09	07	99	STORAGE & TRANSPORT	Organic Chemical Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	08	99	STORAGE & TRANSPORT	Organic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	09	99	STORAGE & TRANSPORT	Inorganic Chemical Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	10	99	STORAGE & TRANSPORT	Inorganic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	11	99	STORAGE & TRANSPORT	Bulk Materials Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	12	99	STORAGE & TRANSPORT	Bulk Materials Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
WASTE DISPOSAL & RECYCLING Total						3,258	0.63%	9	0.60%	174	0.13%	0	0.14%
10	01	99	WASTE DISPOSAL & RECYCLING	Incineration		1,337	0.26%	4	0.25%	96	0.07%	0	0.08%
10	02	01	WASTE DISPOSAL & RECYCLING	Open Burning	industrial	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	02	WASTE DISPOSAL & RECYCLING	Open Burning	commercial/institutional	1	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	03	WASTE DISPOSAL & RECYCLING	Open Burning	residential	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	99	WASTE DISPOSAL & RECYCLING	Open Burning		286	0.06%	1	0.05%	75	0.06%	0	0.06%

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TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
10	03	99	WASTE DISPOSAL & RECYCLING	POTW		1,325	0.26%	4	0.24%	0	0.00%	0	0.00%
10	04	99	WASTE DISPOSAL & RECYCLING	Industrial Waste Water		162	0.03%	0	0.03%	0	0.00%	0	0.00%
10	05	99	WASTE DISPOSAL & RECYCLING	TSDF		125	0.02%	0	0.02%	0	0.00%	0	0.00%
10	06	99	WASTE DISPOSAL & RECYCLING	Landfills		23	0.00%	0	0.00%	2	0.00%	0	0.00%
10	07	99	WASTE DISPOSAL & RECYCLING	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
HIGHWAY VEHICLES Total						35,575	6.90%	82	5.54%	47,183	34.95%	119	34.64%
11	01	01	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	light-duty gas vehicles	18,956	3.68%	43	2.93%	20,410	15.12%	50	14.50%
11	01	02	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	motorcycles	189	0.04%	1	0.04%	83	0.06%	0	0.06%
11	01	99	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	02	01	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt1	6,579	1.28%	15	0.99%	6,836	5.06%	17	4.89%
11	02	02	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt2	6,120	1.19%	13	0.90%	5,501	4.07%	14	4.03%
11	02	99	HIGHWAY VEHICLES	Light-Duty Gas Trucks		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	03	99	HIGHWAY VEHICLES	Heavy-Duty Gas Vehicles		1,954	0.38%	5	0.36%	2,095	1.55%	5	1.56%
11	04	01	HIGHWAY VEHICLES	Diesels	hddv	1,641	0.32%	4	0.29%	11,933	8.84%	32	9.32%
11	04	02	HIGHWAY VEHICLES	Diesels	lddt	40	0.01%	0	0.01%	83	0.06%	0	0.07%
11	04	03	HIGHWAY VEHICLES	Diesels	lddv	95	0.02%	0	0.02%	242	0.18%	1	0.20%
11	04	99	HIGHWAY VEHICLES	Diesels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
OFF-HIGHWAY Total						19,787	3.84%	105	7.10%	20,168	14.94%	81	23.63%
12	01	01	OFF-HIGHWAY	Non-Road Gasoline	recreational	294	0.06%	1	0.07%	0	0.00%	0	0.00%
12	01	02	OFF-HIGHWAY	Non-Road Gasoline	construction	244	0.05%	1	0.08%	28	0.02%	0	0.03%
12	01	03	OFF-HIGHWAY	Non-Road Gasoline	industrial	238	0.05%	1	0.05%	119	0.09%	0	0.09%
12	01	04	OFF-HIGHWAY	Non-Road Gasoline	lawn & garden	6,261	1.21%	27	1.80%	477	0.35%	1	0.41%
12	01	05	OFF-HIGHWAY	Non-Road Gasoline	farm	32	0.01%	0	0.01%	10	0.01%	0	0.01%
12	01	06	OFF-HIGHWAY	Non-Road Gasoline	light commercial	1,487	0.29%	4	0.27%	158	0.12%	0	0.10%
12	01	07	OFF-HIGHWAY	Non-Road Gasoline	logging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	01	08	OFF-HIGHWAY	Non-Road Gasoline	airport service	2	0.00%	0	0.00%	1	0.00%	0	0.00%
12	01	09	OFF-HIGHWAY	Non-Road Gasoline	recreational marine vessels	8,213	1.59%	60	4.01%	494	0.37%	4	1.03%
12	01	99	OFF-HIGHWAY	Non-Road Gasoline		2	0.00%	0	0.00%	0	0.00%	0	0.00%
12	02	01	OFF-HIGHWAY	Non-Road Diesel	recreational	1	0.00%	0	0.00%	3	0.00%	0	0.00%
12	02	02	OFF-HIGHWAY	Non-Road Diesel	construction	1,244	0.24%	6	0.39%	7,366	5.46%	35	10.04%
12	02	03	OFF-HIGHWAY	Non-Road Diesel	industrial	421	0.08%	1	0.09%	2,570	1.90%	8	2.44%
12	02	04	OFF-HIGHWAY	Non-Road Diesel	lawn & garden	104	0.02%	1	0.04%	497	0.37%	3	0.78%
12	02	05	OFF-HIGHWAY	Non-Road Diesel	farm	177	0.03%	1	0.06%	1,477	1.09%	8	2.34%
12	02	06	OFF-HIGHWAY	Non-Road Diesel	light commercial	122	0.02%	0	0.02%	784	0.58%	2	0.62%
12	02	07	OFF-HIGHWAY	Non-Road Diesel	logging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	02	08	OFF-HIGHWAY	Non-Road Diesel	airport service	8	0.00%	0	0.00%	42	0.03%	0	0.03%
12	02	09	OFF-HIGHWAY	Non-Road Diesel	railway maintenance	6	0.00%	0	0.00%	28	0.02%	0	0.02%
12	02	99	OFF-HIGHWAY	Non-Road Diesel		38	0.01%	0	0.02%	241	0.18%	2	0.53%
12	03	99	OFF-HIGHWAY	Aircraft		723	0.14%	2	0.14%	664	0.49%	2	0.55%
12	04	01	OFF-HIGHWAY	Marine Vessels	coal	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	02	OFF-HIGHWAY	Marine Vessels	diesel	4	0.00%	0	0.00%	150	0.11%	0	0.12%
12	04	03	OFF-HIGHWAY	Marine Vessels	residual oil	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	04	OFF-HIGHWAY	Marine Vessels	gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	99	OFF-HIGHWAY	Marine Vessels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	05	99	OFF-HIGHWAY	Railroads		167	0.03%	1	0.03%	5,059	3.75%	15	4.45%
NATURAL SOURCES Total						0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	01	NATURAL SOURCES	Biogenic	vegetation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	99	NATURAL SOURCES	Biogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	02	99	NATURAL SOURCES	Geogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	03	99	NATURAL SOURCES	Miscellaneous		0	0.00%	0	0.00%	0	0.00%	0	0.00%
MISCELLANEOUS Total						225	0.04%	1	0.05%	31	0.02%	0	0.03%
14	01	99	MISCELLANEOUS	Agriculture & Forestry		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	01	MISCELLANEOUS	Other Combustion	structural fires	196	0.04%	1	0.04%	25	0.02%	0	0.02%
14	02	02	MISCELLANEOUS	Other Combustion	agricultural fires	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	03	MISCELLANEOUS	Other Combustion	slash/prescribed burning	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	04	MISCELLANEOUS	Other Combustion	forest wildfires	28	0.01%	0	0.01%	6	0.00%	0	0.01%
14	02	99	MISCELLANEOUS	Other Combustion		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Table 8: Milwaukee, WI Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
14	03	99	MISCELLANEOUS	Catastrophic/Accidental Releases		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	04	99	MISCELLANEOUS	Repair Shops		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	05	99	MISCELLANEOUS	Health Services		1	0.00%	0	0.00%	0	0.00%	0	0.00%
14	06	99	MISCELLANEOUS	Cooling Towers		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	07	99	MISCELLANEOUS	Fugitive Dust		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total Total						515,303	100.00%	1,486	100.00%	134,996	100.00%	344	100.00%

OSD = Ozone Summer Day

Table 9: New York, NY Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
FUEL COMB. ELEC. UTIL. Total						4,580	0.63%	15	0.66%	62,822	9.33%	209	12.23%
01	01	99	FUEL COMB. ELEC. UTIL.	Coal		96	0.01%	0	0.01%	17,533	2.60%	52	3.02%
01	02	99	FUEL COMB. ELEC. UTIL.	Oil		593	0.08%	1	0.06%	14,745	2.19%	38	2.20%
01	03	99	FUEL COMB. ELEC. UTIL.	Gas		482	0.07%	2	0.09%	10,655	1.58%	48	2.82%
01	04	99	FUEL COMB. ELEC. UTIL.	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	05	99	FUEL COMB. ELEC. UTIL.	Internal Combustion		3,410	0.47%	11	0.49%	19,888	2.95%	72	4.19%
FUEL COMB. INDUSTRIAL Total						1,010	0.14%	3	0.15%	37,566	5.58%	126	7.35%
02	01	99	FUEL COMB. INDUSTRIAL	Coal		18	0.00%	0	0.00%	5,495	0.82%	20	1.14%
02	02	99	FUEL COMB. INDUSTRIAL	Oil		265	0.04%	1	0.04%	20,425	3.03%	67	3.92%
02	03	99	FUEL COMB. INDUSTRIAL	Gas		383	0.05%	1	0.05%	9,310	1.38%	31	1.81%
02	04	99	FUEL COMB. INDUSTRIAL	Other		270	0.04%	1	0.04%	788	0.12%	2	0.14%
02	05	99	FUEL COMB. INDUSTRIAL	Internal Combustion		75	0.01%	0	0.02%	1,547	0.23%	6	0.34%
FUEL COMB. OTHER Total						19,110	2.62%	5	0.21%	123,744	18.38%	61	3.56%
03	01	99	FUEL COMB. OTHER	Commercial/Institutional Coal		5	0.00%	0	0.00%	216	0.03%	0	0.02%
03	02	99	FUEL COMB. OTHER	Commercial/Institutional Oil		264	0.04%	0	0.02%	7,556	1.12%	17	1.00%
03	03	99	FUEL COMB. OTHER	Commercial/Institutional Gas		261	0.04%	1	0.02%	9,353	1.39%	17	1.02%
03	04	99	FUEL COMB. OTHER	Misc. Fuel Comb. (Except Residential)		69	0.01%	0	0.01%	128	0.02%	5	0.31%
03	05	01	FUEL COMB. OTHER	Residential Wood	fireplaces	7,926	1.09%	1	0.06%	226	0.03%	0	0.00%
03	05	02	FUEL COMB. OTHER	Residential Wood	woodstoves	5,181	0.71%	1	0.04%	372	0.06%	0	0.00%
03	05	99	FUEL COMB. OTHER	Residential Wood		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	06	99	FUEL COMB. OTHER	Residential Other		5,405	0.74%	1	0.05%	105,892	15.73%	21	1.21%
CHEMICAL & ALLIED PRODUCT MFG Total						8,818	1.21%	25	1.11%	5,071	0.75%	14	0.82%
04	01	01	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene oxide mfg	1	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	02	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	phenol mfg	4	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	03	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	terephthalic acid mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	04	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene mfg	10	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	05	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	charcoal mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	06	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi reactor	39	0.01%	0	0.01%	0	0.00%	0	0.00%
04	01	07	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi distillation	92	0.01%	0	0.01%	0	0.00%	0	0.00%
04	01	08	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi batch	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	09	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi air oxidation processes	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	10	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi fugitives	197	0.03%	1	0.03%	0	0.00%	0	0.00%
04	01	99	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg		9	0.00%	0	0.00%	0	0.00%	0	0.00%
04	02	99	CHEMICAL & ALLIED PRODUCT MFG	Inorganic Chemical Mfg		28	0.00%	0	0.00%	23	0.00%	0	0.00%
04	03	01	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polypropylene mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	02	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polyethylene mfg	1,774	0.24%	5	0.20%	0	0.00%	0	0.00%
04	03	03	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polystyrene resins	1,247	0.17%	3	0.15%	0	0.00%	0	0.00%
04	03	04	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	synthetic fiber	46	0.01%	0	0.01%	0	0.00%	0	0.00%
04	03	05	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	styrene/butadiene rubber	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	06	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	leaks from polymer mfg.	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	99	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg		88	0.01%	0	0.01%	0	0.00%	0	0.00%
04	04	99	CHEMICAL & ALLIED PRODUCT MFG	Agricultural Chemical Mfg		1	0.00%	0	0.00%	0	0.00%	0	0.00%
04	05	01	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg	paint & varnish mfg	237	0.03%	1	0.04%	0	0.00%	0	0.00%
04	05	99	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg		1	0.00%	0	0.00%	0	0.00%	0	0.00%
04	06	99	CHEMICAL & ALLIED PRODUCT MFG	Pharmaceutical Mfg		624	0.09%	2	0.09%	10	0.00%	0	0.01%
04	07	01	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	02	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	printing ink mfg	12	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	03	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	fugitives unclassified	561	0.08%	2	0.08%	33	0.00%	0	0.01%
04	07	04	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black furnace: fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	99	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg		3,849	0.53%	11	0.48%	5,005	0.74%	14	0.80%
METALS PROCESSING Total						10	0.00%	0	0.00%	3	0.00%	0	0.00%
05	01	99	METALS PROCESSING	Non-Ferrous Metals Processing		3	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	01	METALS PROCESSING	Ferrous Metals Processing	coke oven door & topside leaks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	02	METALS PROCESSING	Ferrous Metals Processing	coke oven by-product plants	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	99	METALS PROCESSING	Ferrous Metals Processing		1	0.00%	0	0.00%	0	0.00%	0	0.00%
05	03	99	METALS PROCESSING	Metals Processing NEC		6	0.00%	0	0.00%	3	0.00%	0	0.00%

Table 9: New York, NY Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
PETROLEUM & RELATED INDUSTRIES Total						1,138	0.16%	3	0.15%	38	0.01%	0	0.01%
06	01	99	PETROLEUM & RELATED INDUSTRIES	Oil & Gas Production		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	01	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	vacuum distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	02	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	cracking units	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	03	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	process unit turnarounds	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	04	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	petroleum refinery fugitives	994	0.14%	3	0.13%	0	0.00%	0	0.00%
06	02	99	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries		123	0.02%	0	0.01%	0	0.00%	0	0.00%
06	03	99	PETROLEUM & RELATED INDUSTRIES	Asphalt Manufacturing		20	0.00%	0	0.00%	38	0.01%	0	0.01%
OTHER INDUSTRIAL PROCESSES Total						21,640	2.97%	63	2.75%	3,989	0.59%	11	0.64%
07	01	01	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	vegetable oil mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	02	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	whiskey fermentation: aging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	03	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	bakeries	3,325	0.46%	9	0.40%	0	0.00%	0	0.00%
07	01	99	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products		3,491	0.48%	10	0.43%	4	0.00%	0	0.00%
07	02	99	OTHER INDUSTRIAL PROCESSES	Textiles, Leather, & Apparel Products		881	0.12%	3	0.13%	0	0.00%	0	0.00%
07	03	99	OTHER INDUSTRIAL PROCESSES	Wood, Pulp & Paper, & Publishing Products		382	0.05%	1	0.05%	0	0.00%	0	0.00%
07	04	01	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	rubber tire mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	02	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	green tire spray	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	99	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products		281	0.04%	1	0.05%	1	0.00%	0	0.00%
07	05	99	OTHER INDUSTRIAL PROCESSES	Mineral Products		83	0.01%	0	0.01%	0	0.00%	0	0.00%
07	06	99	OTHER INDUSTRIAL PROCESSES	Machinery Products		617	0.08%	2	0.08%	2	0.00%	0	0.00%
07	07	99	OTHER INDUSTRIAL PROCESSES	Electronic Equipment		142	0.02%	0	0.02%	0	0.00%	0	0.00%
07	08	99	OTHER INDUSTRIAL PROCESSES	Transportation Equipment		1,307	0.18%	5	0.22%	0	0.00%	0	0.00%
07	09	99	OTHER INDUSTRIAL PROCESSES	Construction		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	10	99	OTHER INDUSTRIAL PROCESSES	Miscellaneous Industrial Processes		11,130	1.53%	31	1.36%	3,981	0.59%	11	0.64%
SOLVENT UTILIZATION Total						304,956	41.80%	1,089	47.35%	1	0.00%	0	0.00%
08	01	01	SOLVENT UTILIZATION	Degreasing	open top	600	0.08%	2	0.08%	0	0.00%	0	0.00%
08	01	02	SOLVENT UTILIZATION	Degreasing	conveyorized	120	0.02%	0	0.02%	0	0.00%	0	0.00%
08	01	03	SOLVENT UTILIZATION	Degreasing	cold cleaning	135	0.02%	3	0.13%	0	0.00%	0	0.00%
08	01	99	SOLVENT UTILIZATION	Degreasing		23,319	3.20%	84	3.67%	0	0.00%	0	0.00%
08	02	01	SOLVENT UTILIZATION	Graphic Arts	letterpress	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	02	02	SOLVENT UTILIZATION	Graphic Arts	flexographic	1,716	0.24%	6	0.26%	0	0.00%	0	0.00%
08	02	03	SOLVENT UTILIZATION	Graphic Arts	lithographic	241	0.03%	1	0.03%	0	0.00%	0	0.00%
08	02	04	SOLVENT UTILIZATION	Graphic Arts	gravure	1,384	0.19%	4	0.19%	0	0.00%	0	0.00%
08	02	99	SOLVENT UTILIZATION	Graphic Arts		21,234	2.91%	75	3.27%	0	0.00%	0	0.00%
08	03	01	SOLVENT UTILIZATION	Dry Cleaning	perchloroethylene	3,266	0.45%	12	0.51%	0	0.00%	0	0.00%
08	03	02	SOLVENT UTILIZATION	Dry Cleaning	petroleum solvent	5,389	0.74%	19	0.84%	0	0.00%	0	0.00%
08	03	99	SOLVENT UTILIZATION	Dry Cleaning		19	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	01	SOLVENT UTILIZATION	Surface Coating	industrial adhesives	20,898	2.86%	76	3.32%	0	0.00%	0	0.00%
08	04	02	SOLVENT UTILIZATION	Surface Coating	fabrics	502	0.07%	2	0.08%	0	0.00%	0	0.00%
08	04	03	SOLVENT UTILIZATION	Surface Coating	paper	3,439	0.47%	11	0.46%	0	0.00%	0	0.00%
08	04	04	SOLVENT UTILIZATION	Surface Coating	large appliances	315	0.04%	1	0.05%	0	0.00%	0	0.00%
08	04	05	SOLVENT UTILIZATION	Surface Coating	magnet wire	57	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	06	SOLVENT UTILIZATION	Surface Coating	autos & light trucks	2,152	0.30%	8	0.34%	0	0.00%	0	0.00%
08	04	07	SOLVENT UTILIZATION	Surface Coating	metal cans	4,285	0.59%	15	0.65%	0	0.00%	0	0.00%
08	04	08	SOLVENT UTILIZATION	Surface Coating	metal coil	1,308	0.18%	5	0.20%	0	0.00%	0	0.00%
08	04	09	SOLVENT UTILIZATION	Surface Coating	wood furniture	3,820	0.52%	14	0.62%	0	0.00%	0	0.00%
08	04	10	SOLVENT UTILIZATION	Surface Coating	metal furniture	1,477	0.20%	5	0.23%	0	0.00%	0	0.00%
08	04	11	SOLVENT UTILIZATION	Surface Coating	flatwood products	168	0.02%	1	0.03%	0	0.00%	0	0.00%
08	04	12	SOLVENT UTILIZATION	Surface Coating	plastic parts	187	0.03%	1	0.03%	0	0.00%	0	0.00%
08	04	13	SOLVENT UTILIZATION	Surface Coating	large ships	67	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	14	SOLVENT UTILIZATION	Surface Coating	aircraft	305	0.04%	1	0.05%	0	0.00%	0	0.00%
08	04	15	SOLVENT UTILIZATION	Surface Coating	misc. metal parts	898	0.12%	3	0.13%	0	0.00%	0	0.00%
08	04	16	SOLVENT UTILIZATION	Surface Coating	steel drums	987	0.14%	3	0.12%	0	0.00%	0	0.00%
08	04	17	SOLVENT UTILIZATION	Surface Coating	architectural	38,379	5.26%	138	5.98%	0	0.00%	0	0.00%
08	04	18	SOLVENT UTILIZATION	Surface Coating	traffic markings	7,830	1.07%	22	0.96%	0	0.00%	0	0.00%
08	04	19	SOLVENT UTILIZATION	Surface Coating	maintenance coatings	3,987	0.55%	15	0.64%	0	0.00%	0	0.00%
08	04	20	SOLVENT UTILIZATION	Surface Coating	railroad	40	0.01%	0	0.01%	0	0.00%	0	0.00%

Table 9: New York, NY Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
08	04	21	SOLVENT UTILIZATION	Surface Coating	auto refinishing	9,707	1.33%	37	1.61%	0	0.00%	0	0.00%
08	04	22	SOLVENT UTILIZATION	Surface Coating	machinery	1,179	0.16%	4	0.19%	0	0.00%	0	0.00%
08	04	23	SOLVENT UTILIZATION	Surface Coating	electronic & other electrical	1,381	0.19%	5	0.22%	0	0.00%	0	0.00%
08	04	24	SOLVENT UTILIZATION	Surface Coating	general	6,921	0.95%	21	0.93%	0	0.00%	0	0.00%
08	04	25	SOLVENT UTILIZATION	Surface Coating	miscellaneous	816	0.11%	3	0.13%	0	0.00%	0	0.00%
08	04	26	SOLVENT UTILIZATION	Surface Coating	thinning solvents	880	0.12%	4	0.16%	0	0.00%	0	0.00%
08	04	99	SOLVENT UTILIZATION	Surface Coating		24,557	3.37%	91	3.97%	0	0.00%	0	0.00%
08	05	01	SOLVENT UTILIZATION	Other Industrial	rubber & plastics mfg	1,355	0.19%	5	0.22%	0	0.00%	0	0.00%
08	05	99	SOLVENT UTILIZATION	Other Industrial		89	0.01%	0	0.01%	0	0.00%	0	0.00%
08	06	01	SOLVENT UTILIZATION	Nonindustrial	cutback asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	02	SOLVENT UTILIZATION	Nonindustrial	other asphalt	45	0.01%	1	0.03%	0	0.00%	0	0.00%
08	06	03	SOLVENT UTILIZATION	Nonindustrial	pesticide application	646	0.09%	3	0.15%	0	0.00%	0	0.00%
08	06	04	SOLVENT UTILIZATION	Nonindustrial	adhesives	26,395	3.62%	94	4.11%	0	0.00%	0	0.00%
08	06	05	SOLVENT UTILIZATION	Nonindustrial	consumer solvents	82,462	11.30%	292	12.72%	0	0.00%	0	0.00%
08	06	99	SOLVENT UTILIZATION	Nonindustrial		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	07	99	SOLVENT UTILIZATION	Solvent Utilization NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%
STORAGE & TRANSPORT Total						49,356	6.77%	136	5.93%	32	0.00%	0	0.01%
09	01	01	STORAGE & TRANSPORT	Bulk Terminals & Plants	fixed roof	600	0.08%	2	0.07%	0	0.00%	0	0.00%
09	01	02	STORAGE & TRANSPORT	Bulk Terminals & Plants	floating roof	1,368	0.19%	4	0.17%	0	0.00%	0	0.00%
09	01	03	STORAGE & TRANSPORT	Bulk Terminals & Plants	variable vapor space	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	04	STORAGE & TRANSPORT	Bulk Terminals & Plants	efr with seals	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	05	STORAGE & TRANSPORT	Bulk Terminals & Plants	ifr with seals	7	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	06	STORAGE & TRANSPORT	Bulk Terminals & Plants	underground tanks	36	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	07	STORAGE & TRANSPORT	Bulk Terminals & Plants	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	99	STORAGE & TRANSPORT	Bulk Terminals & Plants		1,943	0.27%	5	0.24%	0	0.00%	0	0.00%
09	02	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof gasoline	13	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof gasoline	118	0.02%	0	0.01%	0	0.00%	0	0.00%
09	02	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal gasoline	1,519	0.21%	4	0.18%	0	0.00%	0	0.00%
09	02	06	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	07	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	08	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	09	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	variable vapor space gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	10	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	11	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage		963	0.13%	3	0.12%	32	0.00%	0	0.01%
09	03	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / splash	34	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: balanced / submerged	668	0.09%	2	0.08%	0	0.00%	0	0.00%
09	03	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / submerged	322	0.04%	1	0.04%	0	0.00%	0	0.00%
09	03	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: clean / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	marine vessel loading: gasoline & crude	9,993	1.37%	27	1.19%	0	0.00%	0	0.00%
09	03	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport		7,928	1.09%	22	0.95%	0	0.00%	0	0.00%
09	04	99	STORAGE & TRANSPORT	Service Stations: Stage I		8,538	1.17%	23	1.02%	0	0.00%	0	0.00%
09	05	99	STORAGE & TRANSPORT	Service Stations: Stage II		13,641	1.87%	38	1.63%	0	0.00%	0	0.00%
09	06	99	STORAGE & TRANSPORT	Service Stations: Breathing & Emptying		316	0.04%	1	0.04%	0	0.00%	0	0.00%
09	07	99	STORAGE & TRANSPORT	Organic Chemical Storage		1,159	0.16%	3	0.15%	0	0.00%	0	0.00%
09	08	99	STORAGE & TRANSPORT	Organic Chemical Transport		24	0.00%	0	0.00%	0	0.00%	0	0.00%
09	09	99	STORAGE & TRANSPORT	Inorganic Chemical Storage		150	0.02%	0	0.02%	0	0.00%	0	0.00%
09	10	99	STORAGE & TRANSPORT	Inorganic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	11	99	STORAGE & TRANSPORT	Bulk Materials Storage		16	0.00%	0	0.00%	0	0.00%	0	0.00%
09	12	99	STORAGE & TRANSPORT	Bulk Materials Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
WASTE DISPOSAL & RECYCLING Total						15,187	2.08%	42	1.83%	7,835	1.16%	22	1.29%
10	01	99	WASTE DISPOSAL & RECYCLING	Incineration		5,398	0.74%	15	0.65%	7,832	1.16%	22	1.29%
10	02	01	WASTE DISPOSAL & RECYCLING	Open Burning	industrial	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	02	WASTE DISPOSAL & RECYCLING	Open Burning	commercial/institutional	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	03	WASTE DISPOSAL & RECYCLING	Open Burning	residential	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	99	WASTE DISPOSAL & RECYCLING	Open Burning		11	0.00%	0	0.00%	2	0.00%	0	0.00%

Table 9: New York, NY Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
10	03	99	WASTE DISPOSAL & RECYCLING	POTW		1,301	0.18%	4	0.16%	0	0.00%	0	0.00%
10	04	99	WASTE DISPOSAL & RECYCLING	Industrial Waste Water		5,765	0.79%	16	0.69%	0	0.00%	0	0.00%
10	05	99	WASTE DISPOSAL & RECYCLING	TSDF		1,768	0.24%	5	0.21%	0	0.00%	0	0.00%
10	06	99	WASTE DISPOSAL & RECYCLING	Landfills		859	0.12%	2	0.10%	0	0.00%	0	0.00%
10	07	99	WASTE DISPOSAL & RECYCLING	Other		85	0.01%	0	0.01%	0	0.00%	0	0.00%
HIGHWAY VEHICLES Total						205,141	28.12%	513	22.31%	278,996	41.45%	721	42.06%
11	01	01	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	light-duty gas vehicles	106,484	14.60%	264	11.49%	121,289	18.02%	307	17.94%
11	01	02	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	motorcycles	1,425	0.20%	5	0.22%	511	0.08%	1	0.08%
11	01	99	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	02	01	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt1	47,469	6.51%	117	5.08%	51,499	7.65%	132	7.68%
11	02	02	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt2	33,235	4.56%	82	3.58%	32,605	4.84%	84	4.92%
11	02	99	HIGHWAY VEHICLES	Light-Duty Gas Trucks		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	03	99	HIGHWAY VEHICLES	Heavy-Duty Gas Vehicles		7,670	1.05%	21	0.93%	11,122	1.65%	29	1.70%
11	04	01	HIGHWAY VEHICLES	Diesels	hddv	8,000	1.10%	21	0.91%	59,850	8.89%	161	9.38%
11	04	02	HIGHWAY VEHICLES	Diesels	lddt	280	0.04%	1	0.03%	594	0.09%	2	0.10%
11	04	03	HIGHWAY VEHICLES	Diesels	lddv	578	0.08%	2	0.07%	1,524	0.23%	4	0.26%
11	04	99	HIGHWAY VEHICLES	Diesels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
OFF-HIGHWAY Total						95,140	13.04%	394	17.14%	152,553	22.66%	548	31.97%
12	01	01	OFF-HIGHWAY	Non-Road Gasoline	recreational	1,143	0.16%	4	0.19%	4	0.00%	0	0.00%
12	01	02	OFF-HIGHWAY	Non-Road Gasoline	construction	1,948	0.27%	9	0.37%	213	0.03%	1	0.05%
12	01	03	OFF-HIGHWAY	Non-Road Gasoline	industrial	1,070	0.15%	3	0.14%	507	0.08%	1	0.08%
12	01	04	OFF-HIGHWAY	Non-Road Gasoline	lawn & garden	41,140	5.64%	188	8.20%	2,281	0.34%	10	0.56%
12	01	05	OFF-HIGHWAY	Non-Road Gasoline	farm	18	0.00%	0	0.00%	5	0.00%	0	0.00%
12	01	06	OFF-HIGHWAY	Non-Road Gasoline	light commercial	19,049	2.61%	52	2.25%	1,910	0.28%	4	0.25%
12	01	07	OFF-HIGHWAY	Non-Road Gasoline	logging	6	0.00%	0	0.00%	0	0.00%	0	0.00%
12	01	08	OFF-HIGHWAY	Non-Road Gasoline	airport service	45	0.01%	0	0.01%	17	0.00%	0	0.00%
12	01	09	OFF-HIGHWAY	Non-Road Gasoline	recreational marine vessels	8,018	1.10%	54	2.35%	456	0.07%	3	0.18%
12	01	99	OFF-HIGHWAY	Non-Road Gasoline		19	0.00%	0	0.00%	2	0.00%	0	0.00%
12	02	01	OFF-HIGHWAY	Non-Road Diesel	recreational	20	0.00%	0	0.00%	75	0.01%	0	0.02%
12	02	02	OFF-HIGHWAY	Non-Road Diesel	construction	10,016	1.37%	45	1.96%	59,330	8.81%	267	15.57%
12	02	03	OFF-HIGHWAY	Non-Road Diesel	industrial	2,402	0.33%	7	0.32%	14,546	2.16%	44	2.59%
12	02	04	OFF-HIGHWAY	Non-Road Diesel	lawn & garden	833	0.11%	4	0.18%	3,968	0.59%	20	1.14%
12	02	05	OFF-HIGHWAY	Non-Road Diesel	farm	104	0.01%	0	0.02%	871	0.13%	4	0.24%
12	02	06	OFF-HIGHWAY	Non-Road Diesel	light commercial	1,596	0.22%	4	0.19%	10,215	1.52%	28	1.62%
12	02	07	OFF-HIGHWAY	Non-Road Diesel	logging	7	0.00%	0	0.00%	37	0.01%	0	0.01%
12	02	08	OFF-HIGHWAY	Non-Road Diesel	airport service	192	0.03%	1	0.02%	967	0.14%	3	0.15%
12	02	09	OFF-HIGHWAY	Non-Road Diesel	railway maintenance	60	0.01%	0	0.01%	287	0.04%	1	0.05%
12	02	99	OFF-HIGHWAY	Non-Road Diesel		36	0.00%	0	0.01%	230	0.03%	2	0.10%
12	03	99	OFF-HIGHWAY	Aircraft		5,485	0.75%	16	0.68%	6,429	0.96%	18	1.07%
12	04	01	OFF-HIGHWAY	Marine Vessels	coal	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	02	OFF-HIGHWAY	Marine Vessels	diesel	958	0.13%	3	0.11%	31,944	4.75%	87	5.07%
12	04	03	OFF-HIGHWAY	Marine Vessels	residual oil	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	04	OFF-HIGHWAY	Marine Vessels	gasoline	26	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	99	OFF-HIGHWAY	Marine Vessels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	05	99	OFF-HIGHWAY	Railroads		948	0.13%	3	0.12%	18,258	2.71%	55	3.22%
NATURAL SOURCES Total						0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	01	NATURAL SOURCES	Biogenic	vegetation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	99	NATURAL SOURCES	Biogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	02	99	NATURAL SOURCES	Geogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	03	99	NATURAL SOURCES	Miscellaneous		0	0.00%	0	0.00%	0	0.00%	0	0.00%
MISCELLANEOUS Total						3,474	0.48%	9	0.41%	469	0.07%	1	0.06%
14	01	99	MISCELLANEOUS	Agriculture & Forestry		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	01	MISCELLANEOUS	Other Combustion	structural fires	2,816	0.39%	8	0.34%	358	0.05%	1	0.06%
14	02	02	MISCELLANEOUS	Other Combustion	agricultural fires	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	03	MISCELLANEOUS	Other Combustion	slash/prescribed burning	129	0.02%	0	0.00%	92	0.01%	0	0.00%
14	02	04	MISCELLANEOUS	Other Combustion	forest wildfires	69	0.01%	0	0.02%	14	0.00%	0	0.00%
14	02	99	MISCELLANEOUS	Other Combustion		97	0.01%	0	0.01%	5	0.00%	0	0.00%

Table 9: New York, NY Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
14	03	99	MISCELLANEOUS	Catastrophic/Accidental Releases		201	0.03%	1	0.03%	0	0.00%	0	0.00%
14	04	99	MISCELLANEOUS	Repair Shops		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	05	99	MISCELLANEOUS	Health Services		162	0.02%	1	0.02%	0	0.00%	0	0.00%
14	06	99	MISCELLANEOUS	Cooling Towers		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	07	99	MISCELLANEOUS	Fugitive Dust		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total Total						729,561	100.00%	2,299	100.00%	673,117	100.00%	1,713	100.00%

OSD = Ozone Summer Day

Table 10: Philadelphia, PA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
FUEL COMB. ELEC. UTIL. Total						1,300	0.43%	4	0.42%	42,550	14.29%	129	15.97%
01	01	99	FUEL COMB. ELEC. UTIL.	Coal		75	0.02%	0	0.02%	13,062	4.39%	39	4.85%
01	02	99	FUEL COMB. ELEC. UTIL.	Oil		124	0.04%	1	0.06%	2,980	1.00%	13	1.61%
01	03	99	FUEL COMB. ELEC. UTIL.	Gas		33	0.01%	0	0.01%	939	0.32%	3	0.37%
01	04	99	FUEL COMB. ELEC. UTIL.	Other		0	0.00%	0	0.00%	0	0.00%	0	0.00%
01	05	99	FUEL COMB. ELEC. UTIL.	Internal Combustion		1,068	0.35%	3	0.33%	25,569	8.59%	74	9.14%
FUEL COMB. INDUSTRIAL Total						1,278	0.42%	4	0.40%	29,652	9.96%	86	10.64%
02	01	99	FUEL COMB. INDUSTRIAL	Coal		5	0.00%	0	0.00%	1,005	0.34%	3	0.39%
02	02	99	FUEL COMB. INDUSTRIAL	Oil		474	0.16%	1	0.15%	4,437	1.49%	13	1.57%
02	03	99	FUEL COMB. INDUSTRIAL	Gas		729	0.24%	2	0.22%	23,111	7.76%	66	8.12%
02	04	99	FUEL COMB. INDUSTRIAL	Other		25	0.01%	0	0.01%	232	0.08%	1	0.08%
02	05	99	FUEL COMB. INDUSTRIAL	Internal Combustion		45	0.01%	0	0.02%	868	0.29%	4	0.47%
FUEL COMB. OTHER Total						4,326	1.42%	2	0.23%	30,903	10.38%	33	4.10%
03	01	99	FUEL COMB. OTHER	Commercial/Institutional Coal		0	0.00%	0	0.00%	14	0.00%	0	0.00%
03	02	99	FUEL COMB. OTHER	Commercial/Institutional Oil		211	0.07%	0	0.05%	5,882	1.98%	11	1.35%
03	03	99	FUEL COMB. OTHER	Commercial/Institutional Gas		307	0.10%	1	0.09%	6,691	2.25%	18	2.17%
03	04	99	FUEL COMB. OTHER	Misc. Fuel Comb. (Except Residential)		6	0.00%	0	0.01%	157	0.05%	1	0.12%
03	05	01	FUEL COMB. OTHER	Residential Wood	fireplaces	3,072	1.01%	1	0.07%	196	0.07%	0	0.00%
03	05	02	FUEL COMB. OTHER	Residential Wood	woodstoves	0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	05	99	FUEL COMB. OTHER	Residential Wood		0	0.00%	0	0.00%	0	0.00%	0	0.00%
03	06	99	FUEL COMB. OTHER	Residential Other		730	0.24%	0	0.02%	17,962	6.03%	4	0.46%
CHEMICAL & ALLIED PRODUCT MFG Total						10,931	3.60%	30	3.22%	2,950	0.99%	8	1.00%
04	01	01	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene oxide mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	02	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	phenol mfg	910	0.30%	2	0.27%	0	0.00%	0	0.00%
04	01	03	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	terephthalic acid mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	04	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	ethylene mfg	27	0.01%	0	0.01%	0	0.00%	0	0.00%
04	01	05	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	charcoal mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	06	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi reactor	37	0.01%	0	0.01%	0	0.00%	0	0.00%
04	01	07	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi distillation	3	0.00%	0	0.00%	3	0.00%	0	0.00%
04	01	08	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi batch	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	09	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi air oxidation processes	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	01	10	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg	socmi fugitives	141	0.05%	0	0.05%	0	0.00%	0	0.00%
04	01	99	CHEMICAL & ALLIED PRODUCT MFG	Organic Chemical Mfg		157	0.05%	0	0.05%	20	0.01%	0	0.01%
04	02	99	CHEMICAL & ALLIED PRODUCT MFG	Inorganic Chemical Mfg		579	0.19%	2	0.16%	141	0.05%	0	0.05%
04	03	01	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polypropylene mfg	2	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	02	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polyethylene mfg	29	0.01%	0	0.01%	0	0.00%	0	0.00%
04	03	03	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	polystyrene resins	19	0.01%	0	0.01%	0	0.00%	0	0.00%
04	03	04	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	synthetic fiber	58	0.02%	0	0.02%	21	0.01%	0	0.00%
04	03	05	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	styrene/butadiene rubber	51	0.02%	0	0.01%	0	0.00%	0	0.00%
04	03	06	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg	leaks from polymer mfg.	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	03	99	CHEMICAL & ALLIED PRODUCT MFG	Polymer & Resin Mfg		378	0.12%	1	0.12%	0	0.00%	0	0.00%
04	04	99	CHEMICAL & ALLIED PRODUCT MFG	Agricultural Chemical Mfg		1	0.00%	0	0.00%	0	0.00%	0	0.00%
04	05	01	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg	paint & varnish mfg	55	0.02%	0	0.02%	3	0.00%	0	0.00%
04	05	99	CHEMICAL & ALLIED PRODUCT MFG	Paint, Varnish, Lacquer, Enamel Mfg		0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	06	99	CHEMICAL & ALLIED PRODUCT MFG	Pharmaceutical Mfg		22	0.01%	0	0.01%	0	0.00%	0	0.00%
04	07	01	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	02	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	printing ink mfg	153	0.05%	0	0.05%	0	0.00%	0	0.00%
04	07	03	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	fugitives unclassified	125	0.04%	0	0.04%	15	0.01%	0	0.01%
04	07	04	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg	carbon black furnace: fugitives	0	0.00%	0	0.00%	0	0.00%	0	0.00%
04	07	99	CHEMICAL & ALLIED PRODUCT MFG	Other Chemical Mfg		8,185	2.69%	23	2.40%	2,746	0.92%	8	0.93%
METALS PROCESSING Total						243	0.08%	1	0.10%	27	0.01%	0	0.01%
05	01	99	METALS PROCESSING	Non-Ferrous Metals Processing		1	0.00%	0	0.01%	0	0.00%	0	0.00%
05	02	01	METALS PROCESSING	Ferrous Metals Processing	coke oven door & topside leaks	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	02	METALS PROCESSING	Ferrous Metals Processing	coke oven by-product plants	0	0.00%	0	0.00%	0	0.00%	0	0.00%
05	02	99	METALS PROCESSING	Ferrous Metals Processing		238	0.08%	1	0.09%	0	0.00%	0	0.00%
05	03	99	METALS PROCESSING	Metals Processing NEC		4	0.00%	0	0.00%	27	0.01%	0	0.01%

Table 10: Philadelphia, PA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
PETROLEUM & RELATED INDUSTRIES Total						2,221	0.73%	7	0.73%	1,062	0.36%	3	0.41%
06	01	99	PETROLEUM & RELATED INDUSTRIES	Oil & Gas Production		0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	01	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	vaccum distillation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
06	02	02	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	cracking units	254	0.08%	1	0.07%	402	0.13%	1	0.17%
06	02	03	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	process unit turnarounds	501	0.16%	1	0.15%	0	0.00%	0	0.00%
06	02	04	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries	petroleum refinery fugitives	1,021	0.34%	3	0.36%	619	0.21%	2	0.21%
06	02	99	PETROLEUM & RELATED INDUSTRIES	Petroleum Refineries & Related Industries		392	0.13%	1	0.12%	0	0.00%	0	0.00%
06	03	99	PETROLEUM & RELATED INDUSTRIES	Asphalt Manufacturing		54	0.02%	0	0.03%	41	0.01%	0	0.03%
OTHER INDUSTRIAL PROCESSES Total						9,480	3.12%	27	2.86%	508	0.17%	1	0.17%
07	01	01	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	vegetable oil mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	02	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	whiskey fermentation: aging	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	01	03	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products	bakeries	398	0.13%	1	0.13%	0	0.00%	0	0.00%
07	01	99	OTHER INDUSTRIAL PROCESSES	Agriculture, Food, & Kindred Products		902	0.30%	3	0.31%	0	0.00%	0	0.00%
07	02	99	OTHER INDUSTRIAL PROCESSES	Textiles, Leather, & Apparel Products		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	03	99	OTHER INDUSTRIAL PROCESSES	Wood, Pulp & Paper, & Publishing Products		23	0.01%	0	0.01%	0	0.00%	0	0.00%
07	04	01	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	rubber tire mfg	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	02	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products	green tire spray	0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	04	99	OTHER INDUSTRIAL PROCESSES	Rubber & Miscellaneous Plastic Products		340	0.11%	1	0.12%	0	0.00%	0	0.00%
07	05	99	OTHER INDUSTRIAL PROCESSES	Mineral Products		31	0.01%	0	0.01%	0	0.00%	0	0.00%
07	06	99	OTHER INDUSTRIAL PROCESSES	Machinery Products		68	0.02%	0	0.02%	0	0.00%	0	0.00%
07	07	99	OTHER INDUSTRIAL PROCESSES	Electronic Equipment		12	0.00%	0	0.00%	0	0.00%	0	0.00%
07	08	99	OTHER INDUSTRIAL PROCESSES	Transportation Equipment		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	09	99	OTHER INDUSTRIAL PROCESSES	Construction		0	0.00%	0	0.00%	0	0.00%	0	0.00%
07	10	99	OTHER INDUSTRIAL PROCESSES	Miscellaneous Industrial Processes		7,706	2.54%	21	2.26%	507	0.17%	1	0.17%
SOLVENT UTILIZATION Total						102,823	33.85%	376	39.96%	1	0.00%	0	0.06%
08	01	01	SOLVENT UTILIZATION	Degreasing	open top	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	01	02	SOLVENT UTILIZATION	Degreasing	conveyorized	76	0.02%	0	0.03%	0	0.00%	0	0.00%
08	01	03	SOLVENT UTILIZATION	Degreasing	cold cleaning	261	0.09%	1	0.11%	0	0.00%	0	0.00%
08	01	99	SOLVENT UTILIZATION	Degreasing		10,537	3.47%	38	4.02%	0	0.00%	0	0.00%
08	02	01	SOLVENT UTILIZATION	Graphic Arts	letterpress	2	0.00%	0	0.00%	0	0.00%	0	0.00%
08	02	02	SOLVENT UTILIZATION	Graphic Arts	flexographic	328	0.11%	1	0.11%	0	0.00%	0	0.00%
08	02	03	SOLVENT UTILIZATION	Graphic Arts	lithographic	137	0.05%	0	0.05%	0	0.00%	0	0.00%
08	02	04	SOLVENT UTILIZATION	Graphic Arts	gravure	202	0.07%	1	0.06%	0	0.00%	0	0.00%
08	02	99	SOLVENT UTILIZATION	Graphic Arts		3,682	1.21%	13	1.40%	0	0.00%	0	0.00%
08	03	01	SOLVENT UTILIZATION	Dry Cleaning	perchloroethylene	1,098	0.36%	4	0.42%	0	0.00%	0	0.00%
08	03	02	SOLVENT UTILIZATION	Dry Cleaning	petroleum solvent	1,905	0.63%	7	0.73%	0	0.00%	0	0.00%
08	03	99	SOLVENT UTILIZATION	Dry Cleaning		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	01	SOLVENT UTILIZATION	Surface Coating	industrial adhesives	8,321	2.74%	30	3.23%	0	0.00%	0	0.00%
08	04	02	SOLVENT UTILIZATION	Surface Coating	fabrics	108	0.04%	0	0.04%	0	0.00%	0	0.00%
08	04	03	SOLVENT UTILIZATION	Surface Coating	paper	1,434	0.47%	4	0.46%	0	0.00%	0	0.00%
08	04	04	SOLVENT UTILIZATION	Surface Coating	large appliances	47	0.02%	0	0.01%	0	0.00%	0	0.00%
08	04	05	SOLVENT UTILIZATION	Surface Coating	magnet wire	5	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	06	SOLVENT UTILIZATION	Surface Coating	autos & light trucks	2,239	0.74%	8	0.89%	0	0.00%	0	0.00%
08	04	07	SOLVENT UTILIZATION	Surface Coating	metal cans	2,330	0.77%	9	0.92%	0	0.00%	0	0.00%
08	04	08	SOLVENT UTILIZATION	Surface Coating	metal coil	501	0.17%	2	0.19%	0	0.00%	0	0.00%
08	04	09	SOLVENT UTILIZATION	Surface Coating	wood furniture	1,487	0.49%	5	0.58%	0	0.00%	0	0.00%
08	04	10	SOLVENT UTILIZATION	Surface Coating	metal furniture	639	0.21%	2	0.23%	1	0.00%	0	0.06%
08	04	11	SOLVENT UTILIZATION	Surface Coating	flatwood products	22	0.01%	0	0.01%	0	0.00%	0	0.00%
08	04	12	SOLVENT UTILIZATION	Surface Coating	plastic parts	64	0.02%	0	0.02%	0	0.00%	0	0.00%
08	04	13	SOLVENT UTILIZATION	Surface Coating	large ships	177	0.06%	1	0.07%	0	0.00%	0	0.00%
08	04	14	SOLVENT UTILIZATION	Surface Coating	aircraft	83	0.03%	0	0.03%	0	0.00%	0	0.00%
08	04	15	SOLVENT UTILIZATION	Surface Coating	misc. metal parts	367	0.12%	1	0.12%	0	0.00%	0	0.00%
08	04	16	SOLVENT UTILIZATION	Surface Coating	steel drums	6	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	17	SOLVENT UTILIZATION	Surface Coating	architectural	12,323	4.06%	44	4.70%	0	0.00%	0	0.00%
08	04	18	SOLVENT UTILIZATION	Surface Coating	traffic markings	2,529	0.83%	7	0.74%	0	0.00%	0	0.00%
08	04	19	SOLVENT UTILIZATION	Surface Coating	maintenance coatings	1,726	0.57%	6	0.67%	0	0.00%	0	0.00%
08	04	20	SOLVENT UTILIZATION	Surface Coating	railroad	67	0.02%	0	0.03%	0	0.00%	0	0.00%

Table 10: Philadelphia, PA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
08	04	21	SOLVENT UTILIZATION	Surface Coating	auto refinishing	4,680	1.54%	18	1.90%	0	0.00%	0	0.00%
08	04	22	SOLVENT UTILIZATION	Surface Coating	machinery	346	0.11%	7	0.72%	0	0.00%	0	0.00%
08	04	23	SOLVENT UTILIZATION	Surface Coating	electronic & other electrical	918	0.30%	3	0.35%	0	0.00%	0	0.00%
08	04	24	SOLVENT UTILIZATION	Surface Coating	general	884	0.29%	3	0.29%	0	0.00%	0	0.00%
08	04	25	SOLVENT UTILIZATION	Surface Coating	miscellaneous	168	0.06%	1	0.07%	0	0.00%	0	0.00%
08	04	26	SOLVENT UTILIZATION	Surface Coating	thinning solvents	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	04	99	SOLVENT UTILIZATION	Surface Coating		6,635	2.18%	27	2.86%	0	0.00%	0	0.00%
08	05	01	SOLVENT UTILIZATION	Other Industrial	rubber & plastics mfg	447	0.15%	2	0.18%	0	0.00%	0	0.00%
08	05	99	SOLVENT UTILIZATION	Other Industrial		23	0.01%	0	0.01%	0	0.00%	0	0.00%
08	06	01	SOLVENT UTILIZATION	Nonindustrial	cutback asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	02	SOLVENT UTILIZATION	Nonindustrial	other asphalt	0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	06	03	SOLVENT UTILIZATION	Nonindustrial	pesticide application	940	0.31%	4	0.38%	0	0.00%	0	0.00%
08	06	04	SOLVENT UTILIZATION	Nonindustrial	adhesives	8,691	2.86%	31	3.31%	0	0.00%	0	0.00%
08	06	05	SOLVENT UTILIZATION	Nonindustrial	consumer solvents	26,387	8.69%	94	10.02%	0	0.00%	0	0.00%
08	06	99	SOLVENT UTILIZATION	Nonindustrial		0	0.00%	0	0.00%	0	0.00%	0	0.00%
08	07	99	SOLVENT UTILIZATION	Solvent Utilization NEC		0	0.00%	0	0.00%	0	0.00%	0	0.00%
STORAGE & TRANSPORT Total						15,452	5.09%	43	4.56%	7	0.00%	0	0.00%
09	01	01	STORAGE & TRANSPORT	Bulk Terminals & Plants	fixed roof	157	0.05%	0	0.05%	0	0.00%	0	0.00%
09	01	02	STORAGE & TRANSPORT	Bulk Terminals & Plants	floating roof	29	0.01%	0	0.01%	0	0.00%	0	0.00%
09	01	03	STORAGE & TRANSPORT	Bulk Terminals & Plants	variable vapor space	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	04	STORAGE & TRANSPORT	Bulk Terminals & Plants	efr with seals	2	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	05	STORAGE & TRANSPORT	Bulk Terminals & Plants	ifr with seals	4	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	06	STORAGE & TRANSPORT	Bulk Terminals & Plants	underground tanks	60	0.02%	0	0.02%	0	0.00%	0	0.00%
09	01	07	STORAGE & TRANSPORT	Bulk Terminals & Plants	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	01	99	STORAGE & TRANSPORT	Bulk Terminals & Plants		16	0.01%	0	0.00%	0	0.00%	0	0.00%
09	02	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	fixed roof crude	23	0.01%	0	0.01%	0	0.00%	0	0.00%
09	02	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof gasoline	210	0.07%	1	0.06%	0	0.00%	0	0.00%
09	02	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	floating roof crude	5	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal gasoline	1,442	0.47%	4	0.42%	0	0.00%	0	0.00%
09	02	06	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	efr / seal crude	144	0.05%	0	0.04%	0	0.00%	0	0.00%
09	02	07	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal gasoline	2	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	08	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	ifr / seal crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	09	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	variable vapor space gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	10	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	11	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage	area source: crude	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	02	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Storage		637	0.21%	2	0.19%	0	0.00%	0	0.00%
09	03	01	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / splash	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	02	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: balanced / submerged	300	0.10%	1	0.09%	0	0.00%	0	0.00%
09	03	03	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: normal / submerged	397	0.13%	1	0.13%	0	0.00%	0	0.00%
09	03	04	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	gasoline loading: clean / submerged	0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	03	05	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport	marine vessel loading: gasoline & crude	1,431	0.47%	4	0.42%	0	0.00%	0	0.00%
09	03	99	STORAGE & TRANSPORT	Petroleum & Petroleum Product Transport		4,012	1.32%	11	1.18%	0	0.00%	0	0.00%
09	04	99	STORAGE & TRANSPORT	Service Stations: Stage I		2,388	0.79%	7	0.70%	0	0.00%	0	0.00%
09	05	99	STORAGE & TRANSPORT	Service Stations: Stage II		3,392	1.12%	9	0.99%	0	0.00%	0	0.00%
09	06	99	STORAGE & TRANSPORT	Service Stations: Breathing & Emptying		171	0.06%	0	0.05%	0	0.00%	0	0.00%
09	07	99	STORAGE & TRANSPORT	Organic Chemical Storage		533	0.18%	2	0.16%	7	0.00%	0	0.00%
09	08	99	STORAGE & TRANSPORT	Organic Chemical Transport		88	0.03%	0	0.03%	0	0.00%	0	0.00%
09	09	99	STORAGE & TRANSPORT	Inorganic Chemical Storage		8	0.00%	0	0.00%	0	0.00%	0	0.00%
09	10	99	STORAGE & TRANSPORT	Inorganic Chemical Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	11	99	STORAGE & TRANSPORT	Bulk Materials Storage		0	0.00%	0	0.00%	0	0.00%	0	0.00%
09	12	99	STORAGE & TRANSPORT	Bulk Materials Transport		0	0.00%	0	0.00%	0	0.00%	0	0.00%
WASTE DISPOSAL & RECYCLING Total						16,051	5.28%	44	4.71%	1,741	0.58%	5	0.60%
10	01	99	WASTE DISPOSAL & RECYCLING	Incineration		2,536	0.83%	7	0.76%	684	0.23%	2	0.24%
10	02	01	WASTE DISPOSAL & RECYCLING	Open Burning	industrial	0	0.00%	0	0.00%	0	0.00%	0	0.00%
10	02	02	WASTE DISPOSAL & RECYCLING	Open Burning	commercial/institutional	1,596	0.53%	4	0.47%	336	0.11%	1	0.11%
10	02	03	WASTE DISPOSAL & RECYCLING	Open Burning	residential	3,480	1.15%	10	1.02%	696	0.23%	2	0.24%
10	02	99	WASTE DISPOSAL & RECYCLING	Open Burning		86	0.03%	0	0.03%	25	0.01%	0	0.01%

Table 10: Philadelphia, PA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
10	03	99	WASTE DISPOSAL & RECYCLING	POTW		3,898	1.28%	11	1.14%	0	0.00%	0	0.00%
10	04	99	WASTE DISPOSAL & RECYCLING	Industrial Waste Water		897	0.30%	2	0.26%	0	0.00%	0	0.00%
10	05	99	WASTE DISPOSAL & RECYCLING	TSDF		3,280	1.08%	9	0.96%	0	0.00%	0	0.00%
10	06	99	WASTE DISPOSAL & RECYCLING	Landfills		249	0.08%	1	0.07%	0	0.00%	0	0.00%
10	07	99	WASTE DISPOSAL & RECYCLING	Other		27	0.01%	0	0.01%	0	0.00%	0	0.00%
HIGHWAY VEHICLES Total						100,373	33.04%	244	25.98%	125,827	42.26%	326	40.31%
11	01	01	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	light-duty gas vehicles	51,613	16.99%	124	13.17%	53,605	18.00%	136	16.87%
11	01	02	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles	motorcycles	711	0.23%	3	0.27%	204	0.07%	1	0.07%
11	01	99	HIGHWAY VEHICLES	Light-Duty Gas Vehicles & Motorcycles		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	02	01	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt1	24,764	8.15%	59	6.30%	23,399	7.86%	60	7.42%
11	02	02	HIGHWAY VEHICLES	Light-Duty Gas Trucks	ldgt2	15,116	4.98%	36	3.87%	13,481	4.53%	35	4.31%
11	02	99	HIGHWAY VEHICLES	Light-Duty Gas Trucks		0	0.00%	0	0.00%	0	0.00%	0	0.00%
11	03	99	HIGHWAY VEHICLES	Heavy-Duty Gas Vehicles		3,802	1.25%	11	1.12%	4,896	1.64%	13	1.58%
11	04	01	HIGHWAY VEHICLES	Diesels	hddv	3,997	1.32%	11	1.12%	29,366	9.86%	79	9.75%
11	04	02	HIGHWAY VEHICLES	Diesels	lddt	119	0.04%	0	0.04%	242	0.08%	1	0.09%
11	04	03	HIGHWAY VEHICLES	Diesels	lddv	252	0.08%	1	0.08%	634	0.21%	2	0.23%
11	04	99	HIGHWAY VEHICLES	Diesels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
OFF-HIGHWAY Total						37,119	12.22%	153	16.26%	62,187	20.88%	216	26.67%
12	01	01	OFF-HIGHWAY	Non-Road Gasoline	recreational	736	0.24%	3	0.30%	938	0.32%	4	0.44%
12	01	02	OFF-HIGHWAY	Non-Road Gasoline	construction	561	0.18%	2	0.26%	62	0.02%	0	0.03%
12	01	03	OFF-HIGHWAY	Non-Road Gasoline	industrial	409	0.13%	1	0.13%	194	0.07%	0	0.06%
12	01	04	OFF-HIGHWAY	Non-Road Gasoline	lawn & garden	18,388	6.05%	86	9.20%	1,011	0.34%	4	0.55%
12	01	05	OFF-HIGHWAY	Non-Road Gasoline	farm	50	0.02%	0	0.02%	14	0.00%	0	0.01%
12	01	06	OFF-HIGHWAY	Non-Road Gasoline	light commercial	4,362	1.44%	12	1.25%	438	0.15%	1	0.12%
12	01	07	OFF-HIGHWAY	Non-Road Gasoline	logging	4	0.00%	0	0.00%	0	0.00%	0	0.00%
12	01	08	OFF-HIGHWAY	Non-Road Gasoline	airport service	6	0.00%	0	0.00%	2	0.00%	0	0.00%
12	01	09	OFF-HIGHWAY	Non-Road Gasoline	recreational marine vessels	1,943	0.64%	12	1.24%	110	0.04%	1	0.08%
12	01	99	OFF-HIGHWAY	Non-Road Gasoline		6	0.00%	0	0.00%	1	0.00%	0	0.00%
12	02	01	OFF-HIGHWAY	Non-Road Diesel	recreational	7	0.00%	0	0.00%	26	0.01%	0	0.02%
12	02	02	OFF-HIGHWAY	Non-Road Diesel	construction	2,864	0.94%	13	1.37%	16,963	5.70%	76	9.40%
12	02	03	OFF-HIGHWAY	Non-Road Diesel	industrial	856	0.28%	3	0.28%	5,190	1.74%	16	1.97%
12	02	04	OFF-HIGHWAY	Non-Road Diesel	lawn & garden	369	0.12%	2	0.20%	1,757	0.59%	9	1.10%
12	02	05	OFF-HIGHWAY	Non-Road Diesel	farm	282	0.09%	1	0.14%	2,356	0.79%	11	1.36%
12	02	06	OFF-HIGHWAY	Non-Road Diesel	light commercial	361	0.12%	1	0.10%	2,309	0.78%	6	0.78%
12	02	07	OFF-HIGHWAY	Non-Road Diesel	logging	4	0.00%	0	0.00%	24	0.01%	0	0.01%
12	02	08	OFF-HIGHWAY	Non-Road Diesel	airport service	26	0.01%	0	0.01%	133	0.04%	0	0.05%
12	02	09	OFF-HIGHWAY	Non-Road Diesel	railway maintenance	19	0.01%	0	0.01%	89	0.03%	0	0.03%
12	02	99	OFF-HIGHWAY	Non-Road Diesel		9	0.00%	0	0.01%	55	0.02%	0	0.04%
12	03	99	OFF-HIGHWAY	Aircraft		4,648	1.53%	13	1.37%	5,387	1.81%	15	1.85%
12	04	01	OFF-HIGHWAY	Marine Vessels	coal	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	02	OFF-HIGHWAY	Marine Vessels	diesel	499	0.16%	1	0.14%	16,069	5.40%	44	5.40%
12	04	03	OFF-HIGHWAY	Marine Vessels	residual oil	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	04	OFF-HIGHWAY	Marine Vessels	gasoline	0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	04	99	OFF-HIGHWAY	Marine Vessels		0	0.00%	0	0.00%	0	0.00%	0	0.00%
12	05	99	OFF-HIGHWAY	Railroads		710	0.23%	2	0.23%	9,058	3.04%	27	3.38%
NATURAL SOURCES Total						0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	01	NATURAL SOURCES	Biogenic	vegetation	0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	01	99	NATURAL SOURCES	Biogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	02	99	NATURAL SOURCES	Geogenic		0	0.00%	0	0.00%	0	0.00%	0	0.00%
13	03	99	NATURAL SOURCES	Miscellaneous		0	0.00%	0	0.00%	0	0.00%	0	0.00%
MISCELLANEOUS Total						2,187	0.72%	5	0.58%	347	0.12%	0	0.06%
14	01	99	MISCELLANEOUS	Agriculture & Forestry		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	01	MISCELLANEOUS	Other Combustion	structural fires	1,177	0.39%	3	0.34%	150	0.05%	0	0.05%
14	02	02	MISCELLANEOUS	Other Combustion	agricultural fires	0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	02	03	MISCELLANEOUS	Other Combustion	slash/prescribed burning	262	0.09%	0	0.01%	186	0.06%	0	0.00%
14	02	04	MISCELLANEOUS	Other Combustion	forest wildfires	45	0.01%	0	0.03%	9	0.00%	0	0.01%
14	02	99	MISCELLANEOUS	Other Combustion		23	0.01%	0	0.01%	1	0.00%	0	0.00%

Table 10: Philadelphia, PA Ozone Nonattainment Area - Tier3 Emission Summary (NET96)

TIER1	TIER2	TIER3	TIER1NAME	TIER2NAME	TIER3NAME	VOC		VOC		NOX		NOX	
						ANNUAL	% of Total	OSD	% of Total	ANNUAL	% of Total	OSD	% of Total
14	03	99	MISCELLANEOUS	Catastrophic/Accidental Releases		665	0.22%	2	0.19%	0	0.00%	0	0.00%
14	04	99	MISCELLANEOUS	Repair Shops		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	05	99	MISCELLANEOUS	Health Services		14	0.00%	0	0.00%	0	0.00%	0	0.00%
14	06	99	MISCELLANEOUS	Cooling Towers		0	0.00%	0	0.00%	0	0.00%	0	0.00%
14	07	99	MISCELLANEOUS	Fugitive Dust		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total Total						303,783	100.00%	940	100.00%	297,763	100.00%	808	100.00%

OSD = Ozone Summer Day

Table 11. Summary of VOC and NOx Control Measures

No	Source Category	Control Measure Description	Resource	Reference
	Stationary Point / Area VOC			
1	Gaseous - and Liquid-Fueled Internal Combustion Engines	VOC and NOx emission limits for stationary and portable engines	SCAQMD - Rule 1110.2 Amended 11/14/1997	1
2	Offset lithography	Low solvent inks and fountain solutions	ACT - Final 6/94	
3	Adhesive Applications	VOC content limits for compliant adhesives + Emission capture and control system for non-compliant adhesives + Transfer efficiency requirements for adhesive applicators + Solvent cleaning, storage and disposal comply with Rule 1171	SCAQMD - Rule 1168 Amended 2/13/1998	1
4	Aerospace Assembly and Component Manufacturing Operations	VOC content limits for coatings, adhesives, and maskents + Cleaning operations and solvent storage and disposal comply with Rule 1171	SCAQMD - Rule 1124 Amended 12/13/1996	1
5	Architectural Coatings	VOC content limits specified by coating type	SCAQMD - Rule 1113 Amended 5/14/1999	1
6	Coating of Metal Parts and Products	VOC content limits for coatings + Solvent cleaning and storage comply with Rule 1171 + Emission collection and control system for non-compliant coatings	SCAQMD - Rule 1107 Amended 8/14/1998	1
7	Control of Gaseous Emissions from Active Landfills	Landfill sampling and monitoring requirements + Collection system with treatment and control device for VOC	SCAQMD - Rule 1150.1 Amended 4/10/1998	1
8	Cutback Asphalt	VOC content limit	SCAQMD - Rule 1108 Amended 2/1/1985	1
9	Emissions from Decontamination of Soil	Approved VOC mitigation plan + Monitor for VOC contamination	SCAQMD - Rule 1166 Amended 7/14/1995	1
10	Emulsified Asphalt	VOC content limit	SCAQMD - Rule 1108.1 Amended 11/4/1983	1
11	Fugitive Emissions	Leak detection requirements + Inspection and maintenance requirements	SCAQMD - Rule 1173 Amended 5/13/1994	1
12	Graphic Arts	VOC content of graphic art materials + VOC content limit for fountain solutions + Emission control system for non-compliant materials + Solvent cleaning and storage and disposal of VOC-containing materials comply with Rule 1171	SCAQMD - Rule 1130 Amended 10/8/1999	1

No	Source Category	Control Measure Description	Resource	Reference
13	Magnet Wire Coating Operations	VOC content limits for compliant coatings + Emission capture and control system for non-compliant coatings + Cleaning operations and solvent storage and disposal comply with Rule 1171	SCAQMD - Rule 1126 Amended 1/13/1995	1
14	Manufacture of Polymeric Cellular Products (Foam)	Discontinue use of VOC blowing agents in non-expandable molding operations + Quantity limitations on blowing agents in expandable molding operations	SCAQMD - Rule 1175 Amended 5/13/1994	1
15	Marine Coating Operations	VOC content limits for marine coatings + Solvent cleaning and storage comply with Rule 1171 + Emission collection and control system for non-compliant coatings	SCAQMD - Rule 1106 Amended 1/13/1995	1
16	Metal Container, Closure, and Coil Coating Operations	VOC content limits for compliant coatings + Emission capture and control system for non-compliant coatings + Cleaning operations and solvent storage and disposal comply with Rule 1171	SCAQMD - Rule 1125 Amended 1/13/1995	1
17	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations	VOC content limits for compliant coatings + Emission capture and control system for non-compliant coatings + Cleaning operations and solvent storage and disposal comply with Rule 1171	SCAQMD - Rule 1151 Amended 12/11/1998	1
18	Motor Vehicle Assembly Line Coating Operations	VOC content limit for compliant coatings + Solvent cleaning and storage comply with Rule 1171 + Emission capture and control system for non-compliant coatings	SCAQMD - Rule 1115 Amended 5/12/1995	1
19	Paper, Fabric, and Film Coating Operations	VOC content limits for compliant coatings + Coating applicator transfer efficiency + Emission capture and control system for non-compliant coatings	SCAQMD - Rule 1128 Amended 3/8/1996	1
20	Petroleum Solvent Dry Cleaners	Operating practices + Leak controls + Tight storage containers + Waste stream filtration system + Emission control devices	SCAQMD - Rule 1102 Amended 12/7/1990	1
21	Pharmaceuticals and Cosmetics Manufacturing Operations	Surface condensers on equipment vents + Control devices on VOC transfer to storage operations + Control devices on drying operations	SCAQMD - Rule 1103 Amended 3/12/1999	1
22	Plastic, Rubber, and Glass Coatings	VOC content limits for compliant coatings + Coating applicator transfer efficiency + Emission capture and control system for non-compliant coatings	SCAQMD - Rule 1145 Amended 2/14/1997	1
23	Pleasure Craft Coating Operations	VOC content limits for applicable coatings + Solvent cleaning and storage comply with Rule 1171	SCAQMD - Rule 1106.1 Amended 2/12/1999	1
24	Polyester Resin Operations	Polyester residual monomer content limit + Process requirements to limit VOC loss + Spray applicator requirements + Solvent cleaning operations comply with Rule 1171 + Emission control system for non-compliant polyester materials	SCAQMD - Rule 1162 Amended 5/13/1994	1
25	Screen Printing Operations	VOC content of screen printing materials + Solvent cleaning and storage and disposal of VOC-containing materials comply with Rule 1171	SCAQMD - Rule 1130.1 Amended 12/13/1996	1
26	Semiconductor Manufacturing	Solvent cleaning station requirements + Emission control system on photoresist operations + C content limits for cleanup solvents	SCAQMD - Rule 1164 Amended 1/13/1995	1

No	Source Category	Control Measure Description	Resource	Reference
27	Solvent Cleaning Operations	Compliant solvent requirement by cleaning application + Cleaning devices and methods requirement + Storage and disposal requirements + Emission control system for non-compliant solvents and cleaning procedures	SCAQMD - Rule 1171 Amended 10/8/1999	1
28	Solvent Degreasers	Operating practice requirements + VOC content limits of solvents + Clean Air Solvent Certificates	SCAQMD - Rule 1122 Amended 7/11/1997	1
29	Storage Tank Degassing	Degassing procedures required + Control device to capture VOCs displaced from tanks	SCAQMD - Rule 1149 Amended 7/14/1995	1
30	Vinyl Chloride Emissions	Emission control system with continuous stack monitor	SCAQMD - Rule 1163 Adopted 6/7/1985	1
31	Wood Flat Stock Coating Operations	VOC content limits for coatings, inks, and adhesives + Applicator requirements + Emission collection and control system for non-compliant coatings	SCAQMD - Rule 1104 Amended 8/13/1999	1
32	Wood Products Coatings	VOC content limits of coatings and strippers + Coating applicator transfer efficiency + Approved emission control system for non-compliant coatings	SCAQMD - Rule 1136 Amended 6/14/1996	1
33	Adhesives - industrial	SCAQMD Rule 1168	Measure ID - V22601	3
34	Aerosols	CARB Tier 2 standards - reform	Measure ID - V24803	3
35	Aircraft surface coating	MACT	Measure ID - V25001	3
36	Aircraft Surface Coating	Incineration	Measure ID - V0529	3
37	Architectural coatings	AIM Coating Federal Rule	Measure ID - V22001	3
38	Architectural coatings	South Coast Phase I	Measure ID - V22002	3
39	Architectural coatings	South Coast Phase II	Measure ID - V22003	3
40	Architectural coatings	South Coast Phase III	Measure ID - V22004	3
41	Automobile refinishing	Federal Rule	Measure ID - V24601	3
42	Automobile refinishing	FIP Rule (VOC content & TE)	Measure ID - V24603	3
43	Automobile refinishing	CARB BARCT limits	Measure ID - V24602	3
44	Beverage Can Coating	Incineration	Measure ID - V0349	3
45	Bulk Terminals	Balanced/Adsorber/Testing	Measure ID - V21701	3
46	Carbon Black Manufacture	Flare	Measure ID - V0321	3

No	Source Category	Control Measure Description	Resource	Reference
47	Cellulose Acetate Manufacture	Carbon Adsorption	Measure ID - V0211	3
48	Charcoal Manufacturing	Incineration	Measure ID - V0541	3
49	Cold cleaning	NESHAP/MACT	Measure ID - V24101	3
50	Cold cleaning	Airtight degreasing system	Measure ID - V24103	3
51	Cold cleaning	SCAQMD 1122 (VOC content limit)	Measure ID - V24102	3
52	Commercial adhesives	CARB long-term limits	Measure ID - V26903	3
53	Commercial adhesives	Federal Consumer Solvents Rule	Measure ID - V26901	3
54	Commercial adhesives	CARB mid-term limits	Measure ID - V26902	3
55	Consumer solvents	CARB long-term limits	Measure ID - V24903	3
56	Consumer solvents	CARB mid-term limits	Measure ID - V24902	3
57	Consumer solvents	Federal Consumer Solvents Rule	Measure ID - V24901	3
58	Cutback Asphalt	Switch to emulsified asphalts	Measure ID - V27201	3
59	Dry Cleaning - Perchloroethylene	MACT (condensers/adsorbers)	Measure ID - V21101	3
60	Dry cleaning - petroleum	MACT	Measure ID - V21201	3
61	Electrical/electronic coating	SCAQMD Rule	Measure ID - V25302	3
62	Electrical/electronic coating	MACT	Measure ID - V25301	3
63	Fabric Coating	Incineration	Measure ID - V1089	3
64	Industrial maintenance coating	AIM Coating Federal Rule	Measure ID - V22201	3
65	Industrial maintenance coating	South Coast Phase II	Measure ID - V22203	3
66	Industrial maintenance coating	South Coast Phase I	Measure ID - V22202	3
67	Industrial maintenance coating	South Coast Phase III	Measure ID - V22204	3
68	Leather Products	RACT Extended to Other Areas	Measure ID - V0981	3
69	Marine surface coating	Add-on control levels	Measure ID - V25102	3
70	Marine surface coating	MACT	Measure ID - V25101	3

No	Source Category	Control Measure Description	Resource	Reference
71	Mechanical, electric, railroad coating	MACT level of control	Measure ID - V24701	3
72	Mechanical, electric, railroad coating	SCAQMD Limits	Measure ID - V24702	3
73	Metal coil & can coating	Incineration	Measure ID - V22303	3
74	Metal coil & can coating	MACT	Measure ID - V22301	3
75	Metal coil & can coating	BAAQMD Rule 11 Amended	Measure ID - V22302	3
76	Metal furniture, appliances, parts	SCAQMD Limits	Measure ID - V24502	3
77	Metal furniture, appliances, parts	MACT	Measure ID - V24501	3
78	Motor vehicle coating	MACT	Measure ID - V25401	3
79	Motor vehicle coating	Incineration	Measure ID - V25402	3
80	Municipal solid waste landfill	RCRA standards	Measure ID - V28401	3
81	Oil and natural gas production	Equipment and maintenance	Measure ID - V27901	3
82	Open burning	Episodic ban	Measure ID - V26602	3
83	Open top degreasing	SCAQMD 1122 (VOC content limit)	Measure ID - V23202	3
84	Open top degreasing	Airtight degreasing system	Measure ID - V23203	3
85	Open top degreasing	MACT	Measure ID - V23201	3
86	Organic Acids Manufacture	RACT Extended to Other Areas	Measure ID - V0971	3
87	Paper surface coating	Incineration	Measure ID - V24001	3
88	Pesticide Application	Reformulation - FIP rule	Measure ID - V29502	3
89	Petroleum refinery fugitives	Equipment and maintenance	Measure ID - V27601	3
90	Pharmaceutical manufacture	RACT	Measure ID - V27702	3
91	Plastic Parts Coating	Incineration	Measure ID - V0389	3
92	Printing - Letterpress	Carbon Adsorption	Measure ID - V1801	3
93	Printing - Lithographic	New CTG to Other Areas	Measure ID - V1821	3
94	Rubber and plastics manufacturing	SCAQMD o low VOC	Measure ID - V24401	3

No	Source Category	Control Measure Description	Resource	Reference
95	Service Stations- Stage I	Vapor Balance	Measure ID - V1701	3
96	SOCMI - Distillation	New CTG level control	Measure ID - V0571	3
97	SOCMI - Reactor Processes	New CTG level control	Measure ID - V0561	3
98	SOCMI batch reactor processes	New CTG	Measure ID - V25901	3
99	SOCMI fugitives	Equipment and maintenance	Measure ID - V27401	3
100	Stage I - truck unloading	Vapor balance	Measure ID - V28001	3
101	Stage I - truck unloading	Vapor balance + PN valves	Measure ID - V28003	3
102	Synthetic fiber manufacture	Carbon Adsorber	Measure ID - V27801	3
103	Terephthalic Acid Manufacture	Incineration	Measure ID - V0171	3
104	Traffic markings	South Coast Phase III	Measure ID - V22104	3
105	Traffic markings	South Coast Phase I	Measure ID - V22102	3
106	Traffic markings	South Coast Phase II	Measure ID - V22103	3
107	Traffic markings	AIM Coating Federal Rule	Measure ID - V22101	3
108	TSDFs	Phase I & II rules	Measure ID - V27003	3
109	Urea Resins - General	RACT Extended to Other Areas	Measure ID - V0961	3
110	Web Offset Lithography	New CTG	Measure ID - V28501	3
111	Wood Furniture Coating	Incineration	Measure ID - V0399	3
112	Wood furniture surface coating	New CTG	Measure ID - V22502	3
113	Wood furniture surface coating	MACT	Measure ID - V22501	3
114	Wood furniture surface coating	Add-On Controls	Measure ID - V22503	3
115	Wood product surface coating	MACT	Measure ID - V22401	3
116	Wood product surface coating	SCAQMD Rule 1104	Measure ID - V22402	3
117	Wood product surface coating	Incineration	Measure ID - V22403	3
118	Adhesives	California's consumer product adhesive limits + industrial product adhesive limits of the South Coast Air Quality Management District (SCAQMD).	STAPPA / ALAPCO	6

No	Source Category	Control Measure Description	Resource	Reference
119	Aerosol Paints	Bay Area Air Quality Management District's (BAAQMD's) rule + additional reductions from standards similar to those of SCAQMD.	STAPPA / ALAPCO	6
120	Aerospace Manufacturing and Rework	EPA's National Emission Standard for Hazardous Air Pollutant (NESHAP) + area-specific limits for specialty coatings to reflect local plant operations.	STAPPA / ALAPCO	6
121	Aluminum Rolling Mills	Add-on controls achieving a 95-percent reduction in VOC emissions and/or VOC-content standards for lubricants	STAPPA / ALAPCO	6
122	Architectural and Industrial Maintenance Coatings	California's Suggested Control Measure for Architectural Coatings or negotiated regulatory rule	STAPPA / ALAPCO	6
123	Autobody Refinishing	High-volume, low pressure (HVLP) spray systems + gun-cleaning equipment + proper disposal for clean-up solvents + California's Best Available Retrofit Control Technology limits.	STAPPA / ALAPCO	6
124	Automobile Assembly	Spray booth abatement at 5.8 lbs/gal solids applied + without spray booth abatement, a 10-lbs/gal level	STAPPA / ALAPCO	6
125	Batch Processes	Current technologies achieving 98-percent control efficiency with exemptions based on considerations of volatility, annual emissions and flow rate.	STAPPA / ALAPCO	6
126	Coke By-product Recovery Plants	Coke by-product recovery plants NESHAP for benzene emissions	STAPPA / ALAPCO	6
127	Coke Oven Batteries	Coke oven batteries.NESHAP	STAPPA / ALAPCO	6
128	Commercial Ethylene Oxide Sterilization	Control emissions from the main sterilizer vent and vacuum pump drains at 99-percent from ethylene oxide (EtO) sterilizers using greater than 600 pounds of EtO per year.	STAPPA / ALAPCO	6
129	Consumer and Commercial Products	California consumer products regulations.	STAPPA / ALAPCO	6
130	Degreasing	Alternative cleaners or cleaning processes.	STAPPA / ALAPCO	6
131	Glass Forming	Silicon-water emulsions replacement for petroleum-based lubricants	STAPPA / ALAPCO	6
132	Graphic Arts - Rotogravure re and Flexographic Printing	Permanent total enclosures, where possible + VOC limits for inks + low-solvent clean-up solutions	STAPPA / ALAPCO	6
133	Highway Paints	VOC content limits	STAPPA / ALAPCO	6
134	Industrial Wastewater Treatment	Wastewater stream enclosed to point of treatment + require 95-percent control of volatiles + regulations on wastewater streams with lower VOC concentration than those identified in EPA's Control Techniques Guideline (CTG)	STAPPA / ALAPCO	6
135	Iron and Steel Industry/Sinter Plants	Deoiling control limit on oil and grease for mill scale.	STAPPA / ALAPCO	6

No	Source Category	Control Measure Description	Resource	Reference
136	Iron and Steel Foundries	SCAQMD's rule for combustion gas limiting the discharge of carbon monoxide	STAPPA / ALAPCO	6
137	Landfill Gases	New Source Performance Standard + lower size cutoff based on area's major source definition + regulating landfills with more than 500,000 tons in place.	STAPPA / ALAPCO	6
138	Marina Gasoline Refueling	Stage I and II vapor recovery at marinas that dispense more than 10,000 gallons per month.	STAPPA / ALAPCO	6
139	Marine Vessel Loading	95-percent or better control efficiency from marine vessel loading operations.	STAPPA / ALAPCO	6
140	Offset Lithographic Printing	Eliminate isopropyl alcohol + control emissions from ink dryers by 95 percent with additional controls or limit VOC-content of inks	STAPPA / ALAPCO	6
141	Pesticide Application	Ozone season limits on pesticide application and prohibition of solvent-containing fumigants + emissions regulations for fumigation chambers + lowest VOC-emitting alternative	STAPPA / ALAPCO	6
142	Pharmaceuticals	CTGs for pharmaceutical operations, batch processes, industrial wastewater treatment, SOCMI reactor and distillation operations, and air oxidations + Hazardous Organic NESHAP (HON) for equipment leaks applied pharmaceutical plants	STAPPA / ALAPCO	6
143	Publicly Owned Treatment Works	Source reduction approaches requiring industrial pretreatment controlling VOCs where they are most concentrated	STAPPA / ALAPCO	6
144	Pulp and Paper	Maximum Achievable Control Technology standards for the integrated pulp and paper industry	STAPPA / ALAPCO	6
145	Rule Effectiveness Improvement	Improve rule effectiveness beyond the presumptive 80-percent level set by EPA	STAPPA / ALAPCO	6
146	Shipbuilding and Ship Repair	Enhanced application techniques achieving a minimum 65-percent transfer efficiency + California's general limit of 340 grams per liter for marine coatings.	STAPPA / ALAPCO	6
147	Stage II Vapor Recovery	Rules to achieve a 95-percent level of control efficiency + require California certification of equipment + limit exemptions to facilities with throughputs below 10,000 gallons per month + semi-annual inspections.+ Stage II program in Moderate nonattainment areas	STAPPA / ALAPCO	6
148	Surface Coating of Plastic Parts	HVLP spray or other techniques achieving a minimum transfer efficiency of 65 percent + VOC-content limits	STAPPA / ALAPCO	6
149	Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor and Distillation Processes	98-percent reduction in emissions from SOCMI sources + exemptions based on EPA's CTG with a more stringent total resource effectiveness (TRE) cutoff for exemptions	STAPPA / ALAPCO	6

No	Source Category	Control Measure Description	Resource	Reference
150	Textile Finishing	Add-on controls of 95 percent or better control efficiency + capture efficiency based on best engineering practices + possible exemption of low-solvent inks	STAPPA / ALAPCO	6
151	Treatment Storage and Disposal Facilities	Expedited process for upgrading permits + air pollution control regulations for TSDFs modeled after EPA's hazardous waste rules	STAPPA / ALAPCO	6
152	Underground Storage Tank Vents	Pressure-vacuum valves on open vent pipes of storage tanks equipped with Stage I vapor recovery	STAPPA / ALAPCO	6
153	Volatile Organic Liquids Storage	Volatile organic liquid storage CTG + enhanced test methods, monitoring specifications and equipment specifications based on HON rule + lower vapor pressure limits for exemptions in current rules	STAPPA / ALAPCO	6
154	Wood Furniture Coating	Negotiated regulatory rules	STAPPA / ALAPCO	6
155	Fugitive Emissions: Oil & Gas Production Facilities & Conveying Stations	Identify all major & critical equipment + I & M Program	California - FIP	7
156	Solvent Cleaning Operations – Ultraviolet ink removal from graphic arts	VOC-content specifications for solvents based on vapor pressure or emission capture and control systems	California - FIP	7
157	Solvent Cleaning Operations – Cleaning of coatings/adhesives application equipment	VOC-content specifications for solvents based on vapor pressure or emission capture and control systems	California - FIP	7
158	Solvent Cleaning Operations – Cleaning of ink application equipment	VOC-content specifications for solvents based on vapor pressure or emission capture and control systems	California - FIP	7
159	Solvent Cleaning Operations – Cleaning of polyester resin application equipment	VOC-content specifications for solvents based on vapor pressure or emission capture and control systems	California - FIP	7
160	Solvent Cleaning Operations – Repair & maintenance cleaning	VOC-content specifications for solvents based on vapor pressure or emission capture and control systems	California - FIP	7
161	Solvent Cleaning Operations – Surface cleaning for mfg. & surface prep for coating, adhesive, or ink application	VOC-content specifications for solvents based on vapor pressure or emission capture and control systems	California - FIP	7
162	Waste Burning --Agricultural or Open Burning (defined: p 804 of CA FIP)	Agricultural and open burning are prohibited on a “no-burn day” which is a day declared by EPA, CARB, or local air district if an ozone exceedance (0.09 ppm) is predicted	California - FIP	7
163	Acetal Resins Production		MACT - Final 11/15/1997	8
164	Acrylic Fibers/Monoacrylic Fibers Production	See Website - http://www.epa.gov/ttn/uatw/gmact/gmactpg.html	MACT - Final 6/29/1999	8
165	Acrylonitrile-Butadiene-Styrene Production	See Website - http://www.epa.gov/ttn/uatw/pr4/pr4pg.html	MACT - Final 9/12/1996	8

No	Source Category	Control Measure Description	Resource	Reference
166	Aerospace Industries	See Website - http://www.epa.gov/ttn/uatw/aerosp/aeropg.html	MACT - Final 3/27/1998 + Amendments 9/1/1998	8
167	Amino Resins Productions	See Website - http://www.epa.gov/ttn/uatw/amino/aminopg.html	MACT - Proposed 12/4/1994	8
168	Asphalt Processing	Pending	MACT - Final 11/15/2000	8
169	Asphalt Roofing Manufacturing	Pending	MACT - Final 11/15/2000	8
170	Asphalt/Coal Tar Applications - Metal Pipes	Pending	MACT - Final 11/15/2000	8
171	Auto and Light Duty Truck (Surface Coating)	Pending	MACT - Final 11/15/2000	8
172	Boat Manufacturing	Pending	MACT - Final 11/15/2000	8
173	Butyl Rubber Production	See Website - http://www.epa.gov/ttn/uatw/pr1/pr1pg.html	MACT - Final 9/5/1996	8
174	Carbon Black Production	Pending	MACT - Final 11/15/2000	8
175	Carbonyl Sulfide Production (Misc. Organic NESHAP)	Pending	MACT - Final 11/15/2000	8
176	Cellulose Food Casing Manufacturing	Pending	MACT - Final 11/15/2000	8
177	Coke By-Product Plants	Pending	MACT - Final 11/15/2000	8
178	Coke Ovens: Pushing, Quenching and Battery Stacks	Pending	MACT - Final 11/15/2000	8
179	Coke Ovens: Top Side and Door Leaks	Established MACT and LAER emission limits for coke batteries	MACT - Final 12/31/1992	8
180	Combustion Turbines	Pending	MACT - Final 11/15/2000	8
181	Dry Cleaning (Petroleum Solvent)	Pending	MACT - Final 11/15/2000	8
182	Engine Test Facilities	Pending	MACT - Final 11/15/2000	8
183	Epichlorohydrin Elastomers Production	See Website - http://www.epa.gov/ttn/uatw/pr1/pr1pg.html	MACT - Final 9/5/1996	8
184	Epoxy Resins Production	See Website - http://www.epa.gov/ttn/uatw/pr2/pr2pg.html	MACT - Final 3/8/1995	8
185	Ethylene Processes	Pending	MACT - Final 11/15/2000	8
186	Ethylene-Propylene Rubber Production	See Website - http://www.epa.gov/ttn/uatw/pr1/pr1pg.html	MACT - Final 9/5/1996	8
187	Explosives Production	Pending	MACT - Final 11/15/2000	8

No	Source Category	Control Measure Description	Resource	Reference
188	Ferroalloys Production: Silicomanganese and Ferro Manganese	National emission standards for hazardous air pollutants (NESHAP) for production of ferroalloys	MACT - Final 11/15/1997	8
189	Flexible Polyurethane Foam Fabrication Operations	Pending	MACT - Final 11/15/2000	8
190	Flexible Polyurethane Foam Production	See Website - http://www.epa.gov/ttn/uatw/foam/foampg.html	MACT - Final 10/7/1998	8
191	Gasoline Distribution (Stage 1)	Improved seals on storage tanks and performing leak detection and repair of vapor and liquid leaks from equipment used to transfer gasoline Vapor processors are to collect and treat or recover vapors displaced during cargo tank loading operations.	MACT - Final 11/15/1994	8
192	Hazardous Organic NESHAP (Covering Manufacture Of Several Organic Compounds)	See Website - http://www.epa.gov/ttn/uatw/hon/honpg.html	MACT - Final 4/22/1994	8
193	Hydrazine Production	Pending	MACT - Final 11/15/2000	8
194	Industrial Boilers	Pending	MACT - Final 11/15/2000	8
195	Industrial Process Cooling Towers	See Website - http://www.epa.gov/ttn/uatw/mactfni.html	MACT - Final 9/8/1994	8
196	Institutional/Commercial Boilers	Pending	MACT - Final 11/15/2000	8
197	Integrated Iron and Steel Manufacture	Pending	MACT - Final 11/15/2000	8
198	Iron Foundries	Pending	MACT - Final 11/15/2000	8
199	Large Appliance (Surface Coating)	Pending	MACT - Final 11/15/2000	8
200	Leather Tanning and Finishing Operations	Pending	MACT - Final 11/15/2000	8
201	Magnetic Tapes (Surface Coating)	See Website - http://www.epa.gov/ttn/uatw/magtape/magtappg.html	MACT - Final 12/15/1994	8
202	Manufacture Of Paints, Coatings, and Adhesives	Pending	MACT - Final 11/15/2000	8
203	Manufacturing Of Nutritional Yeast	Pending	MACT - Final 11/15/2000	8
204	Marine Vessel Loading Operations	Sets standards and requires RACT for VOC and HAP emissions from new and existing marine tank vessel loading operations Sets NESHAP and requires MACT for existing and new major marine tank vessel loading operations	MACT - Final 11/15/1997	8
205	Metal Can (Surface Coating)	Pending	MACT - Final 11/15/2000	8
206	Metal Coil (Surface Coating)	Pending	MACT - Final 11/15/2000	8
207	Miscellaneous Metal Parts and Products (Surface Coating)	Pending	MACT - Final 11/15/2000	8

No	Source Category	Control Measure Description	Resource	Reference
208	Municipal Landfills	Pending	MACT - Final 11/15/2000	8
209	Natural Gas Transmission and Storage	Pending	MACT - Final 11/15/2000	8
210	Neoprene Production	See Website - http://www.epa.gov/ttn/uatw/pr1/pr1pg.html	MACT - Final 9/5/1996	8
211	Nitrile Butadiene Rubber Production	See Website - http://www.epa.gov/ttn/uatw/pr1/pr1pg.html	MACT - Final 9/5/1996	8
212	Non-Nylon Polyamids Production	See Website - http://www.epa.gov/ttn/uatw/pr2/pr2pg.html	MACT - Final 3/8/1995	8
213	Off-Site Waste and Recovery Operations	Pending	MACT - Final 11/15/2000	8
214	Oil and Natural Gas Production	For major oil and natural gas production facilities, the rule requires controls at the following emission points: (1) process vents at certain size glycol dehydration units; (2) tanks with flashing emission potential; and (3) certain fugitive emission sources at natural gas processing plants. For natural gas transmission and storage facilities that are major sources of hazardous air pollutants, the rule requires emission controls at process vents at certain size glycol dehydration units.	MACT - Final 6/17/1999	8
215	Organic Liquids Distribution (Non-Gasoline)	Pending	MACT - Final 11/15/2000	8
216	Paint Stripping Operations	Pending	MACT - Final 11/15/2000	8
217	Paper and Other Webs (Surface Coating)	Pending	MACT - Final 11/15/2000	8
218	Pesticide Active Ingredient Production	See Website - http://www.epa.gov/ttn/uatw/pest/pestpg.html	MACT - Final 6/23/1999	8
219	Petroleum Refineries - Catalytic Cracking (Fluid and Other) Units, Catalytic Reforming Units, and Sulfur Plant Units	Controls for emissions of air toxics from storage tanks, equipment leaks, process vents, and wastewater collection and treatment systems. Provides emissions averaging across operations and across refineries.	MACT - Final 7/31/1997	8
220	Petroleum Refineries - Other Sources Not Distinctly Listed	Controls for emissions of air toxics from other nonspecific refinery sources, processes, and systems. Provides emissions averaging across operations and across refineries.	MACT - Final 11/15/1994	8
221	Pharmaceuticals Production	See Website - http://www.epa.gov/ttn/uatw/pharma/pharmpg.html	MACT - Final 9/21/1998	8
222	Photographic Chemical Production	Pending	MACT - Final 11/15/2000	8
223	Phthalate Plasticizers Production	Pending	MACT - Final 11/15/2000	8
224	Plastic Parts and Products (Surface Coating)	Pending	MACT - Final 11/15/2000	8
225	Plywood and Composite Wood Products	Pending	MACT - Final 11/15/2000	8
226	Polyether Polyols Production	See Website - http://www.epa.gov/ttn/uatw/polyol/polyolpg.html	MACT - Final 6/1/1999	8

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No	Source Category	Control Measure Description	Resource	Reference
227	Polyethylene Terephthalate Production	See Website - http://www.epa.gov/ttn/uatw/pr4/pr4pg.html	MACT - Final 9/12/1996	8
228	Polystyrene Production	See Website - http://www.epa.gov/ttn/uatw/pr4/pr4pg.html	MACT - Final 9/12/1996	8
229	Printing, Coating, and Dyeing Of Fabrics	Pending	MACT - Final 11/15/2000	8
230	Printing/Publishing (Surface Coating)	See Website - http://www.epa.gov/ttn/uatw/print/printpg.html	MACT - Final 5/30/1996	8
231	Process Heaters	Pending	MACT - Final 11/15/2000	8
232	Publicly Owned Treatment Works (POTW) Emissions	See Website - http://www.epa.gov/ttn/uatw/potw/potwpg.html	MACT - Proposed 12/1/1998	8
233	Pulp and Paper Production	Pending	MACT - Final 11/15/2000	8
234	Quaternary Ammonium Compounds Production	Pending	MACT - Final 11/15/2000	8
235	Rayon Production	Pending	MACT - Final 11/15/2000	8
236	Reciprocating Internal Combustion Engines	Pending	MACT - Final 11/15/2000	8
237	Rocket Testing Facilities	Pending	MACT - Final 11/15/2000	8
238	Rubber Chemicals Manufacturing	Pending	MACT - Final 11/15/2000	8
239	Rubber Tire Manufacturing	Pending	MACT - Final 11/15/2000	8
240	Semiconductor Manufacturing	Pending	MACT - Final 11/15/2000	8
241	Shipbuilding and Ship Repair (Surface Coating)	See Website - http://www.epa.gov/ttn/uatw/shipb/shipbpg.html	MACT - Final 12/15/1995	8
242	Site Remediation	Pending	MACT - Final 11/15/2000	8
243	Spandex Production	Pending	MACT - Final 11/15/2000	8
244	Steel Foundries	Pending	MACT - Final 11/15/2000	8
245	Styrene-Acrylonitrile Production	See Website - http://www.epa.gov/ttn/uatw/pr4/pr4pg.html	MACT - Final 9/12/1996	8
246	Synthetic Organic Chemical Manufacturing	See Website - http://www.epa.gov/ttn/uatw/hon/honpg.html	MACT - Final 4/22/1994	8
247	Various Miscellaneous Polymer Chemicals Production	Pending	MACT - Final 11/15/2000	8
248	Vegetable Oil Production	Pending	MACT - Final 11/15/2000	8
249	Wood Furniture (Surface Coating)	See Website - http://www.epa.gov/ttn/uatw/wood/riwood.html	MACT - Final 12/7/1995	8
250	Wood Furniture Products (Surface Coating)	Pending	MACT - Final 11/15/2000	8

No	Source Category	Control Measure Description	Resource	Reference
251	Portable Gas Can and Gas Can Spout	Can/Spout Design: Automatic shut-off feature to prevent equipment overfilling Automatic spout closing feature to seal can while not in use Reduced vapor penetration through container walls	CARB	9
252	Declining Cap Rule	Cap and Trade program with an allowable emissions cap for major VOC sources set below a baseline. Emission allotments for each cap can be sold and traded for emission reductions below the assigned cap.	Illinois EPA	12
253	Application of agricultural pesticides	Water based carriers for pesticides	ACT - Final 3/93	EPA-453/R-92-011
254	SOCMI batch processes	Vapor collection system + incineration	ACT - Final 2/94	EPA-453/R-93-017
255	Volatile organic liquid storage	Floating roof tops for tanks	ACT - Final 1/94	EPA-453/R-94-001
256	Cleaning solvents	Disposal practices for waste solvents	ACT - Final 2/94	EPA-453/R-94-015
257	Plastic parts coating (for business machines and automobiles)	Low solvent coatings	ACT - Final 2/94	EPA-453/R-94-017
258	Industrial waste water	Covers + solvent recovery	ACT - Final 4/94	http://www.epa.gov/ttncaaa1/t1pgm.html
259	Rubber tire manufacturing industry	VOC capture systems + Control devices	NSPS	Subpart BBB
260	VOC emissions from the polymer manufacturing industry	Incineration of emissions in boiler or flare	NSPS	Subpart DDD
261	Surface coating of metal furniture	Low solvent coatings	NSPS	Subpart EE
262	Flexible Vinyl and Urethane Coating and Printing	Low solvent coatings or Incineration	NSPS	Subpart FFF
263	Equipment leaks of VOC in petroleum refineries	Inspection and repair	NSPS	Subpart GGG
264	Synthetic Fiber Production	Solvent recovery systems including carbon adsorption	NSPS	Subpart HHH
265	VOC emissions from the synthetic organic chemical manufacturing industry (SOCMI) air oxidation unit processes	Boilers, combustion heaters or flares	NSPS	Subpart III
266	Petroleum dry cleaners	Carbon adsorption	NSPS	Subpart JJJ
267	Storage Vessels for Petroleum Liquids	Floating roofs	NSPS	Subpart K
268	Volatile organic liquid storage	Floating roofs	NSPS	Subpart Kb

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No	Source Category	Control Measure Description	Resource	Reference
269	Equipment leaks of VOC from on-shore natural gas processing plants	Inspection and repair	NSPS	Subpart KKK
270	Automobile and Light -duty truck surface coating operations	Low solvent coatings	NSPS	Subpart MM
271	VOC emissions from synthetic organic chemical manufacturing industry (SOCMI) distillation operations	Boilers, process heaters or flares	NSPS	Subpart NNN
272	The graphic arts industry; Publication rotogravure printing	Carbon adsorption	NSPS	Subpart QQ
273	Petroleum refinery wastewater systems	Covers, Floating roofs, Combustion devices or Carbon adsorption	NSPS	Subpart QQQ
274	Industrial surface coating: Large appliances	Low solvent coatings	NSPS	Subpart SS
275	Magnetic tape coating facilities	Carbon adsorption or Incineration	NSPS	Subpart SSS
276	Metal coil surface coating	Incineration	NSPS	Subpart TT
277	Industrial surface coating: surface coating of plastic parts for business machines	Low VOC coatings	NSPS	Subpart TTT
278	Equipment leaks for VOC in the synthetic organic chemical manufacturing industry	Monitoring and repair	NSPS	Subpart VV
279	Polymeric coating of supporting substrates facilities	Carbon adsorption or Incineration	NSPS	Subpart VVV
280	Beverage can surface coating industry	Low solvent inks or Incineration	NSPS	Subpart WW
281	Bulk gasoline terminals	Vapor collection systems + Vapor tight tank trucks, Water-based cements	NSPS	Subpart XX
	Stationary Point / Area NO_x			
282	Boilers and Process Heaters in Petroleum Refineries	NO _x emission limit + Approved Alternative Emission Control Plan + Continuous NO _x stack monitoring	SCAQMD - Rule 1109 Amended 8/ 5/1988	1
283	Cement Kilns	Continuous monitoring and recording of NO _x emissions + NO _x emission limit	SCAQMD - Rule 1112 Amended 6/6/1986	1
284	Electric Power Generating Systems	Selective Catalytic Reduction	SCAQMD - Rule 1135 Amended 7/19/1991	1
285	Glass Melting Furnaces	NO _x emission limit + Continuous NO _x monitoring from unit + Alternative Emission Control Plan	SCAQMD - Rule 1117 Amended 1/6/1984	1

No	Source Category	Control Measure Description	Resource	Reference
286	Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters	NOx emission limit, methods to meet the limit is not specified	SCAQMD - Rule 1146 Amended 5/13/1994	1
287	Large Water Heaters and Small Boilers	NOx emission limit + Compliance Certification Program for equipment manufacturers + Retrofit Compliance Certification Program	SCAQMD - Rule 1146.2 Adopted 1/9/1998	1
288	Natural-Gas-Fired, Fan-Type Central Furnaces	NOx emission limit	SCAQMD - Rule 1111 Amended 7/8/1983	1
289	Nitric Acid Units	NOx emission limit	SCAQMD - Rule 1159 Adopted 12/6/1985	1
290	Refinery Flares	Adoption of a Flare Monitoring and Recording Plan	SCAQMD - Rule 1118 Adopted 2/13/1998	1
291	Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters	NOx emission limit, methods to meet the limit is not specified	SCAQMD - Rule 1146.1 Amended 5/13/1994	1
292	Stationary Gas Turbines	Continuous in-stack NOx and oxygen monitoring system + Selective Catalytic Reduction	SCAQMD - Rule 1134 Amended 8/8/1997	1
293	Stationary Internal Combustion Engines	NOx emission limit	SCAQMD - Rule 1110.1 Amended 10/4/1985	1
294	Adipic Acid Manufacturing	Thermal Reduction	Measure ID - N02801	3
295	Adipic Acid Manufacturing	Extended Absorption	Measure ID - N02802	3
296	Agricultural Burning	Seasonal Ban (Ozone Season)	Measure ID - N13201	3
297	Ammonia - Natural Gas-Fired Reformers	Low NOx Burners + Flue Gas Recirculation	Measure ID - N05602	3
298	Ammonia - Natural Gas-Fired Reformers	Oxygen Trim + Water Injection	Measure ID - N05603	3
299	Ammonia - Natural Gas-Fired Reformers	Low NOx Burners	Measure ID - N05601	3
300	Ammonia - Natural Gas-Fired Reformers	Selective Catalytic Reduction	Measure ID - N05604	3
301	Ammonia - Natural Gas-Fired Reformers	Selective Non-Catalytic Reduction	Measure ID - N05605	3
302	Ammonia Production; Feedstock Desulfurization	Low NOx Burners + Flue Gas Recirculation	Measure ID - N06202	3
303	Asphaltic Concrete; Rotary Dryer; Conversion Plant	Low NOx Burners	Measure ID - N07301	3
304	By-Product Coke Manufacturing; Oven Underfiring	Selective Non-Catalytic Reduction	Measure ID - N06503	3
305	Cement Manufacturing - Dry	Selective Non-Catalytic Reduction - NH3 Based	Measure ID - N03304	3

No	Source Category	Control Measure Description	Resource	Reference
306	Cement Manufacturing - Dry	Mid-Kiln Firing	Measure ID - N03301	3
307	Cement Manufacturing - Dry	Low NOx Burners	Measure ID - N03302	3
308	Cement Manufacturing - Dry	Selective Non-Catalytic Reduction - Urea Based	Measure ID - N03303	3
309	Cement Manufacturing - Dry	Selective Catalytic Reduction	Measure ID - N03305	3
310	Cement Manufacturing - Wet	Selective Catalytic Reduction	Measure ID - N03403	3
311	Cement Manufacturing - Wet	Low NOx Burners	Measure ID - N03402	3
312	Cement Manufacturing - Wet	Mid-Kiln Firing	Measure ID - N03401	3
313	Ceramic Clay Manufacturing; Drying	Low NOx Burners	Measure ID - N07401	3
314	Coal Cleaning-Thermal Dryer; Fluidized Bed	Low NOx Burners	Measure ID - N07503	3
315	Commercial, Institutional Incinerators	Selective Non-Catalytic Reduction	Measure ID - N05901	3
316	Conv. Coating of Product; Acid Cleaning Bath	Low NOx Burners	Measure ID - N07901	3
317	Fiberglass Manufacturing; Textile-Type Fiber; Recup Furnaces	Low NOx Burners	Measure ID - N07603	3
318	Fluid Catalytic Cracking Units; Cracking Unit	Low NOx Burners + Flue Gas Recirculation	Measure ID - N07802	3
319	Fuel Fired Equipment; Furnaces; Natural Gas	Low NOx Burners	Measure ID - N07201	3
320	Fuel Fired Equipment; Process Heaters, Propane Gas	Low NOx Burners + Flue Gas Recirculation	Measure ID - N06902	3
321	Gas Turbines - Jet Fuel	Selective Catalytic Reduction + Water Injection	Measure ID - N05002	3
322	Gas Turbines - Jet Fuel	Water Injection	Measure ID - N05001	3
323	Gas Turbines - Natural Gas	Steam Injection	Measure ID - N02402	3
324	Gas Turbines - Natural Gas	Selective Catalytic Reduction + Low NOx Burners	Measure ID - N02404	3
325	Gas Turbines - Natural Gas	Selective Catalytic Reduction + Steam Injection	Measure ID - N02405	3
326	Gas Turbines - Natural Gas	Selective Catalytic Reduction + Water Injection	Measure ID - N02406	3
327	Gas Turbines - Natural Gas	Low NOx Burners	Measure ID - N02403	3
328	Gas Turbines - Natural Gas	Water Injection	Measure ID - N02401	3

No	Source Category	Control Measure Description	Resource	Reference
329	Gas Turbines - Oil	Selective Catalytic Reduction + Water Injection	Measure ID - N02302	3
330	Gas Turbines - Oil	Water Injection	Measure ID - N02301	3
331	Glass Manufacturing - Container	Cullet Preheat	Measure ID - N03002	3
332	Glass Manufacturing - Container	Low NOx Burners	Measure ID - N03003	3
333	Glass Manufacturing - Container	Selective Catalytic Reduction	Measure ID - N03005	3
334	Glass Manufacturing - Container	Oxygen-Firing	Measure ID - N03006	3
335	Glass Manufacturing - Container	Electric Boost	Measure ID - N03001	3
336	Glass Manufacturing - Container	Selective Non-Catalytic Reduction	Measure ID - N03004	3
337	Glass Manufacturing - Fiat	Low NOx Burners	Measure ID - N03102	3
338	Glass Manufacturing - Fiat	Oxygen-Firing	Measure ID - N03105	3
339	Glass Manufacturing - Fiat	Selective Non-Catalytic Reduction	Measure ID - N03103	3
340	Glass Manufacturing - Fiat	Electric Boost	Measure ID - N03101	3
341	Glass Manufacturing - Fiat	Selective Catalytic Reduction	Measure ID - N03104	3
342	Glass Manufacturing - Pressed	Oxygen-Firing	Measure ID - N03206	3
343	Glass Manufacturing - Pressed	Selective Catalytic Reduction	Measure ID - N03205	3
344	Glass Manufacturing - Pressed	Cullet Preheat	Measure ID - N03202	3
345	Glass Manufacturing - Pressed	Electric Boost	Measure ID - N03201	3
346	Glass Manufacturing - Pressed	Selective Non-Catalytic Reduction	Measure ID - N03204	3
347	Glass Manufacturing - Pressed	Low NOx Burners	Measure ID - N03203	3
348	IC Engines - Gas, Diesel, LPG	Selective Catalytic Reduction	Measure ID - N04604	3
349	IC Engines - Gas, Diesel, LPG	Ignition Retard	Measure ID - N04601	3
350	ICI Boilers - Coal/Cyclone	Selective Catalytic Reduction	Measure ID - N01403	3
351	ICI Boilers - Coal/Cyclone	Natural Gas Reburn	Measure ID - N01404	3
352	ICI Boilers - Coal/Cyclone	Coal Reburn	Measure ID - N01402	3

No	Source Category	Control Measure Description	Resource	Reference
353	ICI Boilers - Coal/Cyclone	Selective Non-Catalytic Reduction	Measure ID - N01401	3
354	ICI Boilers - Coal/FBC	Selective Non-Catalytic Reduction - Urea	Measure ID - N01201	3
355	ICI Boilers - Coal/Stoker	Selective Non-Catalytic Reduction	Measure ID - N01301	3
356	ICI Boilers - Coal/Wall	Selective Non-Catalytic Reduction	Measure ID - N01101	3
357	ICI Boilers - Coal/Wall	Selective Catalytic Reduction	Measure ID - N01104	3
358	ICI Boilers - Coal/Wall	Low NOx Burners	Measure ID - N01103-	3
359	ICI Boilers - Coke	Selective Catalytic Reduction	Measure ID - N04204	3
360	ICI Boilers - Coke	Low NOx Burners	Measure ID - N04203	3
361	ICI Boilers - Coke	Selective Non-Catalytic Reduction	Measure ID - N04201	3
362	ICI Boilers - Distillate Oil	Low NOx Burners + Flue Gas Recirculation	Measure ID - N01602	3
363	ICI Boilers - Distillate Oil	Low NOx Burners	Measure ID - N01601	3
364	ICI Boilers - Distillate Oil	Selective Catalytic Reduction	Measure ID - N01603	3
365	ICI Boilers - Distillate Oil	Selective Non-Catalytic Reduction	Measure ID - N01604	3
366	ICI Boilers - Liquid Waste	Low NOx Burners	Measure ID - N04501	3
367	ICI Boilers - Liquid Waste	Selective Catalytic Reduction	Measure ID - N04503	3
368	ICI Boilers - Liquid Waste	Selective Non-Catalytic Reduction	Measure ID - N04504	3
369	ICI Boilers - Liquid Waste	Low NOx Burners + Flue Gas Recirculation	Measure ID - N04502	3
370	ICI Boilers - LPG	Low NOx Burners + Flue Gas Recirculation	Measure ID - N04302	3
371	ICI Boilers - LPG	Low NOx Burners	Measure ID - N04301	3
372	ICI Boilers - LPG	Selective Non-Catalytic Reduction	Measure ID - N04304	3
373	ICI Boilers - LPG	Selective Catalytic Reduction	Measure ID - N04303	3
374	ICI Boilers - MSW/Stoker	Selective Non-Catalytic Reduction - Urea	Measure ID - N02001	3
375	ICI Boilers - Natural Gas	Selective Catalytic Reduction	Measure ID - N01704	3
376	ICI Boilers - Natural Gas	Oxygen Trim + Water Injection	Measure ID - N01703	3

No	Source Category	Control Measure Description	Resource	Reference
377	ICI Boilers - Natural Gas	Low NOx Burners + Flue Gas Recirculation	Measure ID - N01702	3
378	ICI Boilers - Natural Gas	Selective Non-Catalytic Reduction	Measure ID - N01705	3
379	ICI Boilers - Natural Gas	Low NOx Burners	Measure ID - N01701	3
380	ICI Boilers - Process Gas	Oxygen Trim + Water Injection	Measure ID - N04103	3
381	ICI Boilers - Process Gas	Selective Catalytic Reduction	Measure ID - N04104	3
382	ICI Boilers - Process Gas	Low NOx Burners + Flue Gas Recirculation	Measure ID - N04102	3
383	ICI Boilers - Process Gas	Low NOx Burners	Measure ID - N04101	3
384	ICI Boilers - Residual Oil	Low NOx Burners + Flue Gas Recirculation	Measure ID - N01502	3
385	ICI Boilers - Residual Oil	Selective Non-Catalytic Reduction	Measure ID - N01504	3
386	ICI Boilers - Residual Oil	Low NOx Burners	Measure ID - N01501	3
387	ICI Boilers - Residual Oil	Selective Catalytic Reduction	Measure ID - N01503	3
388	ICI Boilers- Wood/Bark/Stoker	Selective Non-Catalytic Reduction - Urea	Measure ID - N01801	3
389	Industrial Coal Combustion	RACT to 50 tpy (Low NOx Burners)	Measure ID - N10001	3
390	Industrial Coal Combustion	RACT to 25 tpy (Low NOx Burners)	Measure ID - N10002	3
391	Industrial Incinerators	Selective Non-Catalytic Reduction	Measure ID - N06001	3
392	Industrial Natural Gas Combustion	RACT to 25 tpy (Low NOx Burners)	Measure ID - N10202	3
393	Industrial Natural Gas Combustion	RACT to 50 tpy (Low NOx Burners)	Measure ID - N10201	3
394	Industrial Oil Combustion	RACT to 25 tpy (Low NOx Burners)	Measure ID - N10102	3
395	Industrial Oil Combustion	RACT to 50 tpy (Low NOx Burners)	Measure ID - N10101	3
396	In-Process Fuel Use; Bituminous Coal; General	Selective Non-Catalytic Reduction	Measure ID - N08301	3
397	In-Process Fuel Use; Natural Gas; General	Low NOx Burners	Measure ID - N08501	3
398	In-Process Fuel Use; Residual Oil; General	Low NOx Burners	Measure ID - N08402	3
399	In-Process; Bituminous Coal; Cement Kiln	Selective Non-Catalytic Reduction - Urea based	Measure ID - ,N08103	3
400	In-Process; Bituminous Coal; Lime Kiln	Selective Non-Catalytic Reduction - Urea based	Measure ID - N08203	3

No	Source Category	Control Measure Description	Resource	Reference
401	In-Process; Process Gas; Coke Oven Gas	Low NOx Burners	Measure ID - N08701	3
402	In-Process; Process Gas; Coke Oven/Blast Furnaces	Low NOx Burners + Flue Gas Recirculation	Measure ID - N08602	3
403	Internal Combustion Engines - Gas	Ignition Retard	Measure ID - N02201	3
404	Internal Combustion Engines - Gas	Air-to-Fuel Ratio	Measure ID - N02204	3
405	Internal Combustion Engines - Gas	Air-to-Fuel Ratio + Ignition Retard	Measure ID - N02207	3
406	Internal Combustion Engines - Gas	L-E (Medium Speed)	Measure ID - N02210	3
407	Internal Combustion Engines - Gas	L-E (Low Speed)	Measure ID - N02211	3
408	Internal Combustion Engines - Gas	Selective Catalytic Reduction	Measure ID - N02212	3
409	Internal Combustion Engines - Oil	Selective Catalytic Reduction	Measure ID - N02104	3
410	Internal Combustion Engines - Oil	Ignition Retard	Measure ID - N02101	3
411	Iron & Steel Mills - Annealing	Low NOx Burners + Selective Catalytic Reduction	Measure ID - N03606	3
412	Iron & Steel Mills - Annealing	Selective Catalytic Reduction	Measure ID - N03605	3
413	Iron & Steel Mills - Annealing	Low NOx Burners	Measure ID - N03601	3
414	Iron & Steel Mills - Annealing	Low NOx Burners + Selective Non-Catalytic Reduction	Measure ID - N03604	3
415	Iron & Steel Mills - Annealing	Selective Non-Catalytic Reduction	Measure ID - N03603	3
416	Iron & Steel Mills - Annealing	Low NOx Burners + Flue Gas Recirculation	Measure ID - N03602	3
417	Iron & Steel Mills - Galvanizing	Low NOx Burners + Flue Gas Recirculation	Measure ID - N03702	3
418	Iron & Steel Mills - Galvanizing	Low NOx Burners	Measure ID - N03701	3
419	Iron & Steel Mills - Reheating	Low NOx Burners + Flue Gas Recirculation	Measure ID - N03503	3
420	Iron & Steel Mills - Reheating	Low NOx Burners	Measure ID - N03502	3
421	Iron & Steel Mills - Reheating	LEA	Measure ID - N03501	3
422	Iron Production; Blast Furnace; Blast Heating Stoves	Low NOx Burners + Flue Gas Recirculation	Measure ID - N06703	3
423	Lime Kilns	Selective Catalytic Reduction	Measure ID - N05805	3
424	Lime Kilns	Low NOx Burners	Measure ID - N05802	3

No	Source Category	Control Measure Description	Resource	Reference
425	Lime Kilns	Selective Non-Catalytic Reduction - Urea Based	Measure ID - N05803	3
426	Lime Kilns	Selective Non-Catalytic Reduction - NH ₃ Based	Measure ID - N05804	3
427	Lime Kilns	Mid-Kiln Firing	Measure ID - N05801	3
428	Medical Waste Incinerators	Selective Non-Catalytic Reduction	Measure ID - N03901	3
429	Municipal Waste Combustors	Selective Non-Catalytic Reduction	Measure ID - N03801	3
430	Natural Gas Production; Compressors	Selective Catalytic Reduction	Measure ID - N08012	3
431	Nitric Acid Manufacturing	Selective Catalytic Reduction	Measure ID - N02902	3
432	Nitric Acid Manufacturing	Extended Absorption	Measure ID - N02901	3
433	Nitric Acid Manufacturing	Selective Non-Catalytic Reduction	Measure ID - N02903	3
434	Open Burning	Episodic Ban (Daily Only)	Measure ID - N12201	3
435	Plastics Products; Specific; (ABS) Resin	Low NOx Burners + Flue Gas Recirculation	Measure ID - N06302	3
436	Primary Copper Smelters; Reverb Smelting Furnace	Low NOx Burners + Flue Gas Recirculation	Measure ID - N06602	3
437	Process Heaters - Distillate Oil	Low NOx Burners + Selective Catalytic Reduction	Measure ID - N02507	3
438	Process Heaters - Distillate Oil	Low NOx Burners + Selective Non-Catalytic Reduction	Measure ID - N02506	3
439	Process Heaters - Distillate Oil	Low NOx Burners	Measure ID - N02501	3
440	Process Heaters - Distillate Oil	Ultra Low NOx Burners	Measure ID - N02504	3
441	Process Heaters - Distillate Oil	Selective Catalytic Reduction	Measure ID - N02505	3
442	Process Heaters - Distillate Oil	Selective Non-Catalytic Reduction	Measure ID - N02503	3
443	Process Heaters - Distillate Oil	Low NOx Burners + Flue Gas Recirculation	Measure ID - N02502	3
444	Process Heaters - LPG	Low NOx Burners	Measure ID - N04801	3
445	Process Heaters - LPG	Ultra Low NOx Burners	Measure ID - N04804	3
446	Process Heaters - LPG	Selective Catalytic Reduction	Measure ID - N04805	3
447	Process Heaters - LPG	Low NOx Burners + Selective Catalytic Reduction	Measure ID - N04807	3
448	Process Heaters - LPG	Selective Non-Catalytic Reduction	Measure ID - N04803	3

No	Source Category	Control Measure Description	Resource	Reference
449	Process Heaters - LPG	Low NOx Burners + Flue Gas Recirculation	Measure ID - N04802	3
450	Process Heaters - LPG	Low NOx Burners + Selective Non-Catalytic Reduction	Measure ID - N04806	3
451	Process Heaters - Natural Gas	Selective Non-Catalytic Reduction	Measure ID - N02703	3
452	Process Heaters - Natural Gas	Ultra Low NOx Burners	Measure ID - N02704	3
453	Process Heaters - Natural Gas	Selective Catalytic Reduction	Measure ID - N02705	3
454	Process Heaters - Natural Gas	Low NOx Burners + Selective Non-Catalytic Reduction	Measure ID - N02706	3
455	Process Heaters - Natural Gas	Low NOx Burners	Measure ID - N02701	3
456	Process Heaters - Natural Gas	Low NOx Burners + Flue Gas Recirculation	Measure ID - N02702	3
457	Process Heaters - Natural Gas	Low NOx Burners + Selective Catalytic Reduction	Measure ID - N02707	3
458	Process Heaters - Other Fuel	Low NOx Burners + Flue Gas Recirculation	Measure ID - N04901	3
459	Process Heaters - Other Fuel	Low NOx Burners	Measure ID - N04902	3
460	Process Heaters - Other Fuel	Selective Non-Catalytic Reduction	Measure ID - N04903	3
461	Process Heaters - Other Fuel	Ultra Low NOx Burners	Measure ID - N04904	3
462	Process Heaters - Other Fuel	Low NOx Burners + Selective Non-Catalytic Reduction	Measure ID - N04905	3
463	Process Heaters - Other Fuel	Selective Catalytic Reduction	Measure ID - N04906	3
464	Process Heaters - Other Fuel	Low NOx Burners + Selective Catalytic Reduction	Measure ID - N04907	3
465	Process Heaters - Process Gas	Low NOx Burners + Selective Catalytic Reduction	Measure ID - N04707	3
466	Process Heaters - Process Gas	Low NOx Burners + Selective Non-Catalytic Reduction	Measure ID - N04706	3
467	Process Heaters - Process Gas	Low NOx Burners + Flue Gas Recirculation	Measure ID - N04702	3
468	Process Heaters - Process Gas	Low NOx Burners	Measure ID - N04701	3
469	Process Heaters - Process Gas	Selective Non-Catalytic Reduction	Measure ID - N04703	3
470	Process Heaters - Process Gas	Ultra Low NOx Burners	Measure ID - N04704	3
471	Process Heaters - Process Gas	Selective Catalytic Reduction	Measure ID - N04705	3
472	Process Heaters - Residual Oil	Low NOx Burners + Flue Gas Recirculation	Measure ID - N02601	3

No	Source Category	Control Measure Description	Resource	Reference
473	Process Heaters - Residual Oil	Selective Non-Catalytic Reduction	Measure ID - N02603	3
474	Process Heaters - Residual Oil	Low NOx Burners + Selective Non-Catalytic Reduction	Measure ID - N02605	3
475	Process Heaters - Residual Oil	Ultra Low NOx Burners	Measure ID - N02604	3
476	Process Heaters - Residual Oil	Low NOx Burners + Selective Catalytic Reduction	Measure ID - N02607	3
477	Process Heaters - Residual Oil	Low NOx Burners	Measure ID - N02602	3
478	Process Heaters - Residual Oil	Selective Catalytic Reduction	Measure ID - N02606	3
479	Sand/Gravel; Dryer	Low NOx Burners + Flue Gas Recirculation	Measure ID - N07702	3
480	Secondary Aluminum Production; Smelting Furnaces/Reverb	Low NOx Burners	Measure ID - N07001	3
481	Solid Waste Disposal; Government; Other Incinerator; Sludge	Selective Non-Catalytic Reduction	Measure ID - N08901	3
482	Space Heaters - Distillate Oil	Low NOx Burners + Flue Gas Recirculation	Measure ID - N05402	3
483	Space Heaters - Distillate Oil	Selective Catalytic Reduction	Measure ID - N05403	3
484	Space Heaters - Distillate Oil	Selective Non-Catalytic Reduction	Measure ID - N05404	3
485	Space Heaters - Distillate Oil	Low NOx Burners	Measure ID - N05401	3
486	Space Heaters - Natural Gas	Low NOx Burners	Measure ID - N05501	3
487	Space Heaters - Natural Gas	Low NOx Burners + Flue Gas Recirculation	Measure ID - N05502	3
488	Space Heaters - Natural Gas	Selective Non-Catalytic Reduction	Measure ID - N05505	3
489	Space Heaters - Natural Gas	Selective Catalytic Reduction	Measure ID - N05504	3
490	Space Heaters - Natural Gas	Oxygen Trim + Water Injection	Measure ID - N05503	3
491	Starch Manufacturing; Combined Operations	Low NOx Burners + Flue Gas Recirculation	Measure ID - N06402	3
492	Steel Foundries; Heat Treating Furnaces	Low NOx Burners	Measure ID - N07101	3
493	Steel Production; Soaking Pits	Low NOx Burners + Flue Gas Recirculation	Measure ID - N06802	3
494	Sulfate Pulping - Recovery Furnaces	Low NOx Burners + Flue Gas Recirculation	Measure ID - N06102	3
495	Sulfate Pulping - Recovery Furnaces	Selective Non-Catalytic Reduction	Measure ID - N06105	3

No	Source Category	Control Measure Description	Resource	Reference
496	Sulfate Pulping - Recovery Furnaces	Selective Catalytic Reduction	Measure ID - N06104	3
497	Sulfate Pulping - Recovery Furnaces	Oxygen Trim + Water Injection	Measure ID - N06103	3
498	Sulfate Pulping - Recovery Furnaces	Low NOx Burners	Measure ID - N06101	3
499	Surface Coating Operation; Coating Oven Heater; Natural Gas	Low NOx Burners	Measure ID - N08801	3
500	Utility Boilers	Selective Catalytic Reduction	Measure ID - N00101	3
501	Ammonia Plants	Controls based on those for process heaters and industrial boilers	STAPPA / ALAPCO	4
502	Cement Kilns	Require combustion controls and post-combustion controls (SNCR) to achieve reductions of up to 70 percent on certain processes	STAPPA / ALAPCO	4
503	Gas Turbines	Limits for turbines burning natural gas at 25-42 ppm and as low as 9-15 ppm.+ limits for turbines burning distillate oil at 65 ppm or below, and as low as 25-42 ppm..	STAPPA / ALAPCO	4
504	Glass Furnaces	Combustion modifications, process changes and post-combustion controls (SNCR) + RACT limits of 5.3-5.5 lbs NOx/ton of glass removed with limits as low as 4.0 lb NOx/ton of glass removed + coordinate installation of controls with routine furnace rebuilds	STAPPA / ALAPCO	4
505	Industrial and Commercial Boilers	Limits for boilers larger than 100 mmBtu/hr at levels of 0.15 lb/mmBtu or below for coal and 0.05 lb/mmBtu for oil and gas + limits for mid-size boilers between 50-100 mmBtu/hr at 0.10 lb/mmBtu for gas, 0.12 lb/mmBtu for distillate oil and 0.30 lb/mmBtu for residual oil, 0.38 lb/mmBtu for coal + boilers smaller than 50 mmBtu/hr make annual "tune-ups" to minimize excess air	STAPPA / ALAPCO	4
506	Iron and Steel Mills	Low NOx burners and FGR for reheat furnaces + SCR and low NOx burners for annealing furnaces + low NOx burners and FGR for galvanizing furnaces	STAPPA / ALAPCO	4
507	Kraft Pulp Mills	Industrial boilers regulated same as Industrial and Commercial Boilers + SNCR for recovery boilers + lime kilns regulated same as Cement Kilns	STAPPA / ALAPCO	4
508	Medical Waste Incinerators	Controls similar to those for municipal waste combustors	STAPPA / ALAPCO	4
509	Municipal Waste Combustors	EPA's regulation for large, existing MWCs emitting more than 250 tons/day + more stringent limits (e.g., 30-50 ppmv) or shorter averaging periods (e.g., 8-hr average).	STAPPA / ALAPCO	4

No	Source Category	Control Measure Description	Resource	Reference
510	Nitric and Adipic Acid Plants	Consider a standard of 2.0 lbs NOx/ton of nitric acid produced, representing approximately 95-percent control. Even lower standards are achievable using SCR. The nation's four adipic acid plants are already regulated at over 80-per-cent efficiency.	STAPPA / ALAPCO	4
511	Open Burning	Restrict open burning on days when ozone exceedances are expected + reduce the amount of refuse burned by recycling municipal waste or mulching agricultural and landscaping waste	STAPPA / ALAPCO	4
512	Organic Chemical Plants	Controls on industrial boilers and process heaters for these sources	STAPPA / ALAPCO	4
513	Petroleum Refineries	Regulate refinery boilers and process heaters like other industries + regulate fluid catalytic cracking units by controlling CO boilers + SNCR or low NOx burners on tail gas incinerators	STAPPA / ALAPCO	4
514	Process Heaters	Limits of 0.036 lb/mmBtu for gas and 0.05 lb/mmBtu for other liquid fuels+ limits same as mid-sized industrial boilers for gas, distillate oil and residual oil-fired units	STAPPA / ALAPCO	4
515	Reciprocating Internal Combustion Engines	Limits for rich-burn gas-fired engines between 0.4-0.8 g/bhp-hr, for lean-burn engines as low as 0.5-0.6 g/bhp-hr and for diesel engines at 0.5-1.1 g/bhp-hr.	STAPPA / ALAPCO	4
516	Residential Space and Water Heaters	Set limit on new sources of 0.09 lbs/mmBtu of heat output + incentives to replace older space and water heaters	STAPPA / ALAPCO	4
517	Utility Boilers	T-fired and wall-fired coal units emissions of 0.15 lb/mmBtu or below + oil and gas units emissions of 0.05 lb/mmBtu + emission rates based on energy output	STAPPA / ALAPCO	4
518	NOx RACT Rules	States' NOx RACT rules	NOx NSPS Regulations	13
519	Nitric/adipic acids	Nitric acid - 2.3 lb/ton extended adsorption; Adipic acid - 7.4 lb/ton extended adsorption	ACT - Final 1991	EPA-450/R-91-026
520	Availability/Extent of NOx Controls		ACT - Final 1992	EPA-450/R-92-004
521	IC Engines	Lean burn - LEC 2 gm/bhp-hr & Rich Burn - SNCR 2 gm/bhp-hr & Diesel - SCR 2 gm/bhp-hr	ACT - Final 1993	EPA-450/R-93-032
522	NESCAUM Utility Report		ACT - Final 1992	EPA-453/R-92-010
523	Gas Turbines	Turbines >25 MW: Wet injection + SCR - 9 ppm (0.04 lb/mm Btu & 8-25 MW: Low NOx combustion - 42 ppm	ACT - Final 1993	EPA-453/R-93-007
524	Process heaters (revised)	NG - ULNB 0.05 lb/mm Btu / Oil - ULNB 0.14 lb/mm Btu	ACT - Final 1993	EPA-453/R-93-034
525	Cement	Production procedures + SCR - 2.8lb/ton	ACT - Final 1994	EPA-453/R-94-004

No	Source Category	Control Measure Description	Resource	Reference
526	Non-utility boilers	Natural gas - LNB + FGR 0.10 lb/mmBtu & Residual oil - LNB + FGR 0.15 lb/mmBtu & Stoker coal - SNCR 0.22 lb/mmBtu	ACT - Final 1994	EPA-453/R-94-022
527	Utility boilers	Gas / oil - SCR 0.08 lb/mmBtu	ACT - Final 1994	EPA-453/R-94-023
528	Glass	Pressed / blown - LNB 13 lb/ton & Container - LNB 6 lb/ton & Flat - SNCR 9.5 lb/ton	ACT - Final 1994	EPA-453/R-94-037
529	Iron and Steel	Reheat furnace - LNB + FGR 0.2 lb/mmBtu & Annealing furnace - LNB 0.5 lb/mmBtu & Galvanizing furnace - LNB + FGR 0.5 lb/mmBtu	ACT - Final 1994	EPA-453/R-94-065
530	Phase II MARAMA/NESCAUM Utility Boiler		ACT - Final 1996	EPA-453/R-96-002
531	Utility Boilers	<i>Natural Gas</i> - 0.2lb/mmBtu; Liquid Fossil Fuel - 0.3 lb/mmBtu; Subituminous Coal - 0.5 lb/mmBtu; <i>Lignite</i> - 0.8 lb/mmBtu; <i>Bituminous Coal</i> - 0.6 lb/mmBtu	NOx NSPS Regulations	Subpart Da
532	Nonutility Boilers	<i>Natural Gas and Distillate Oil</i> - Low heat release rate - 0.10 lb/mmBtu; High heat - 0.20 lb/mmBtu <i>Residual Oil</i> - Low heat release rate - 0.3 lb/mmBtu; High heat release rate - 0.4 lb/mmBtu <i>Coal</i> - Mass Feed Stoker - 0.5 lb/mmBtu; Spreader Stoker and FBC - 0.6 lb/mmBtu; Pulverized Coal - 0.7 lb/mmBtu; Lignite - 0.6 lb/mmBtu	NOx NSPS Regulations	Subpart Db
533	Municipal Waste Combustors (Began operation between 12/20/89 and 9/20/94)	180 ppm at 7% oxygen	NOx NSPS Regulations	Subpart Ea
534	Municipal Waste Combustors (After 9/20/94)	180 ppm at 7% oxygen; after first year of operation - 150 ppm at 7% oxygen	NOx NSPS Regulations	Subpart Eb
535	Medical Waste Incinerators	250 ppmv	NOx NSPS Regulations	Subpart Ec
536	Nitric Acid Plants	3.0 lb/ton of acid produced	NOx NSPS Regulations	Subpart G
537	Gas Turbines	Detailed equations 40 CFR 60.332	NOx NSPS Regulations	Subpart GG
	Mobile VOC-NO_x Sources			
538	Aircraft: Reduce Emissions by Altering Operations (e.g., Taxiing)	Voluntary measures	USEPA-OMS	2
539	Car Sharing Programs	Voluntary measures	USEPA-OMS	2
540	Clean Alternative Fuel Usage (Automobiles, Nonroad, Etc)	Voluntary measures	USEPA-OMS	2
541	Commuter Choice/Utilize Fed Tax Incentives: Parking Cash-Out	Voluntary measures	USEPA-OMS	2

No	Source Category	Control Measure Description	Resource	Reference
542	Commuter Choice/Utilize Fed Tax Incentives:Transit Checks	Voluntary measures	USEPA-OMS	2
543	Commuter Choice/Utilize Fed Tax Incentives:Vanpools	Voluntary measures	USEPA-OMS	2
544	Heavy-Duty Diesel Vehicles: Fuel Additives To Reduce Emissions	Voluntary measures	USEPA-OMS	2
545	Heavy-Duty Diesel Vehicles: Intermodal Freight Efficiency	Voluntary measures	USEPA-OMS	2
546	Heavy-Duty Diesel Vehicles: Reduce Truck Idling	Voluntary measures	USEPA-OMS	2
547	Heavy-Duty Diesel Vehicles: Require Low Sulfur Diesel Fuel Earlier Than EPA May Require	Voluntary measures	USEPA-OMS	2
548	Heavy-Duty Diesel Vehicles: Require Use Of Oxydiesel Fuel	Voluntary measures	USEPA-OMS	2
549	Heavy-Duty Diesel Vehicles: Upgrading/Retrofit Equipment	Voluntary measures	USEPA-OMS	2
550	Improved Airport Access Options	Voluntary measures	USEPA-OMS	2
551	Improved Pedestrian Access	Voluntary measures	USEPA-OMS	2
552	Intelligent Vehicle Highway Systems	Voluntary measures	USEPA-OMS	2
553	Location Efficient Mortgage To Encourage Development Near Mass Transit	Voluntary measures	USEPA-OMS	2
554	Marine Engines: Operating Restrictions	Voluntary measures	USEPA-OMS	2
555	Marine Engines: Refueling/Fuels	Voluntary measures	USEPA-OMS	2
556	Ozone Action Day Programs	Voluntary measure	USEPA-OMS	2
557	Parking Lot Tree Planting To Reduce Vehicle Temperatures And, Thereby, Evaporative Emissions	Voluntary measures	USEPA-OMS	2
558	Provide Truckstop Electrification For In-Truck Services	Voluntary measures	USEPA-OMS	2
559	Proximate Commute Programs To Encourage More Efficient Employment Patterns	Voluntary measures	USEPA-OMS	2

No	Source Category	Control Measure Description	Resource	Reference
560	Station Cars To Promote User Friendliness Of Mass Transportation	Voluntary measures	USEPA-OMS	2
561	Telecommuting	Voluntary measures	USEPA-OMS	2
562	Transportation Control Measures: Congestion Pricing	Voluntary measures	USEPA-OMS	2
563	Transportation Control Measures: Database Sharing/Traffic Mgt	Voluntary measures	USEPA-OMS	2
564	Transportation Control Measures:Emission Fees	Voluntary measures	USEPA-OMS	2
565	Highway Vehicles - Gasoline	Transportation Control Package	Measure ID - mOT6	3
566	Highway Vehicles - Gasoline	Federal Reformulated Gasoline	Measure ID - mOT2	3
567	Highway Vehicles - LD Gas Trucks	Tier 2 Standards	Measure ID - mOT1	3
568	Highway Vehicles - LD Gasoline	High Enhanced I/M	Measure ID - mOT3	3
569	Highway Vehicles - LD Gasoline	Fleet ILEV	Measure ID - mOT4	3
570	Nonroad Gasoline Engines	Federal Reformulated Gasoline	Measure ID - VNRFG	3
571	Accelerated Vehicle Retirement	Implement an accelerated vehicle retirement, or "scrappage" program in conjunction with an I/M program.	STAPPA / ALAPCO	4
572	California Low-Emission Vehicles	Adopt the California LEV program.	STAPPA / ALAPCO	4
573	Clean-Fuel Fleets	Adopt a CFFV program, if one is not already required. Where a CFFV program is required, increase its reduction potential by purchasing more CFFVs than called for in any year, purchasing vehicles that meet stricter emission standards than those required, or purchasing vehicles in advance, before requirements take effect. Areas encourage non-covered fleets to participate and/or require the purchase of ILEVs where fleet requirements from the Energy Policy Act are applicable.	STAPPA / ALAPCO	4
574	Employee Commute Options	In areas not already required to implement an ECO program, evaluate the potential emission reductions to be achieved by implementing such a program and consider its implementation to achieve additional reductions and stabilize mobile source emissions.	STAPPA / ALAPCO	4

No	Source Category	Control Measure Description	Resource	Reference
575	Motor Vehicle Inspection and Maintenance	Implementation of IM240 in areas not required to adopt such a program, in that IM240 tests for NOx and inspection and requires repairs accordingly. Augmenting the program by expanding geographic coverage, increasing maintenance of model year and vehicle class coverage and pre-1981 stringency rate, conducting inspections annually and/or setting tighter cutpoints.	STAPPA / ALAPCO	4
576	Nonroad Vehicles and Engines	In addition to EPA's regulations on 50-hp and above nonroad diesel engines, explore scrappage programs. among others, for near-term reductions and to increase turnover of these sources, particularly for construction equipment.	STAPPA / ALAPCO	4
577	Reformulated Gasoline and Diesel Fuel	Opt into the federal program or utilize Section 211 (c)(4) authority to adopt a state program, including the California RFG program or one focused on fuel properties (e.g., reducing sulfur content of fuel). Adopt reformulated diesel fuel requirements, including the California reformulated diesel program, to achieve additional reductions from diesel engines.	STAPPA / ALAPCO	4
578	Transportation Control Measures	Evaluate the potential effectiveness of TCMs based upon the particular needs and circumstances of a given area, emphasizing pricing strategies, such as parking management, traffic flow improvements and road pricing.	STAPPA / ALAPCO	4
579	Bikeway Expansion	Voluntary measures	Texas NRCC	5
580	Bus Fare Reductions	Voluntary measures	Texas NRCC	5
581	Computerized Traffic Signals	Voluntary measures	Texas NRCC	5
582	Electrification or Use of Alternate Fuels in Airport Service Equipment	Voluntary measures	Texas NRCC	5
583	Encourage Clean Fueled City Buses, LNG, LPG, or Fuel Cells	Voluntary measures	Texas NRCC	5
584	Expand Bus Service	Voluntary measures	Texas NRCC	5
585	Expanded I/M for Fleet Trucks/Autos	Voluntary measures	Texas NRCC	5
586	Expanded I/M for Heavy Duty Diesel Trucks	Voluntary measures	Texas NRCC	5
587	Flex Time	Voluntary measures	Texas NRCC	5
588	Guided Busways	Voluntary measures	Texas NRCC	5
589	Heavy Transit Rail	Voluntary measures	Texas NRCC	5

No	Source Category	Control Measure Description	Resource	Reference
590	Heavy-Duty Diesel Vehicles: Preventive Maintenance/Rebuild Requirements at Specific Mileage	Voluntary measures	Texas NRCC	5
591	Install Remote Sensing to Identify High-Emitting Vehicles	Voluntary measures	Texas NRCC	5
592	Light Rail Transit	Voluntary measures	Texas NRCC	5
593	New or Expanded Car Pools and Vanpools	Voluntary measures	Texas NRCC	5
594	New Sidewalks and Crosswalks	Voluntary measures	Texas NRCC	5
595	Park-and-Ride Lots	Voluntary measures	Texas NRCC	5
596	Repair Assistance (I/M Related)	Voluntary measures	Texas NRCC	5
597	Require Airport Buses to Use Alternate Fuels or Electric Power	Voluntary measures	Texas NRCC	5
598	School Car Pool Programs	Voluntary measures	Texas NRCC	5
599	Shuttle for Hire (Clean Fueled)	Voluntary measures	Texas NRCC	5
600	Toll Reductions for High Occupant Vehicles	Voluntary measures	Texas NRCC	5
601	Accelerated Vehicle Retirement	Accelerated vehicle retirement, or "scrappage," program in conjunction with an I/M program.	STAPPA / ALAPCO	6
602	Accelerated Vehicle Retirement	Consider implementing an accelerated vehicle retirement, or "scrappage" program in conjunction with an I/M program.		6
603	California Low-Emission Vehicles	Adopt the California low-emission vehicle program	STAPPA / ALAPCO	6
604	Clean-Fuel Fleets	Adopt a clean-fuel fleet vehicle (CFFV) program and increase its reduction potential by expanding the use and performance of CFFVs	STAPPA / ALAPCO	6
605	Motor Vehicle Inspection and Maintenance	Augment basic or enhanced Inspection and Maintenance (I/M) programs by expanding vehicle coverage	STAPPA / ALAPCO	6
606	Nonroad Vehicles and Engines	In addition to EPA's regulations on 50-hp and above nonroad diesel engines, explore scrappage programs, among others, for near-term reductions and to increase turnover of these sources, particularly for construction equipment.	STAPPA / ALAPCO	6
607	Non-Road Vehicles and Engines	Achieve reductions from lawn and garden equipment and recreational vessels	STAPPA / ALAPCO	6
608	Reformulated Gasoline	Opt into the federal reformulated gasoline program	STAPPA / ALAPCO	6

No	Source Category	Control Measure Description	Resource	Reference
609	Transportation Control Measures Employee Commute Options	Employee Commute Options program.	STAPPA / ALAPCO	6
610	Smart Growth Policies ^a	Voluntary measures to help create national, regional, and local coalitions to encourage metropolitan development that is: environmentally, fiscally, economically, and socially smart	Smart Growth Network	10
611	Conversion to Alternative Fueled Vehicles Program	Tax credits or deductions to for conversion to or purchase of alternative fueled vehicles and alternative fuel stations	Arizona DEQ	11
612	Electric Power to Construction Sites Program	Voluntary program to to reduce diesel and gasoline generators at construction sites by installing temporary power lines to the site	Arizona DEQ	11
613	Lawn Mower and Garden Replacement Program	Voluntary program to replace gasoline powered lawn and garden equipment with electric powered equipment	Arizona DEQ	11
614	Reduce Emissions from Airport Ground Support Equipment	Voluntary measures	USEPA-OMS	EPA-420-R-99-007

^a For the SIPs covering the 10 nonattainment areas listed in section 1.0 of this report, this measure has interactions with the Clean Air Act conformity requirement. Before including this measure on a list of measures to submit to EPA for possible adoption into these SIPs, States should consult with EPA Regional Offices to ensure it is consistent with the conformity requirement.

References

- 1 "Appendix IV-A Stationary and Mobile Source Control Measures", South Coast Air Quality Management District, November 1996. (**Website** - <http://www.aqmd.gov/rules/html/tofc11.html>)
- 2 "Aviation Emission Regulations/Related Documents, Voluntary Emission Reduction Program for Airport Ground Support Equipment," <http://www.epa.gov/oms/aviation.htm#regs>, EPA's Office of Mobile Sources.
- 3 "Control Measure Evaluations: The Control Measure Data Base for the National Emissions Trends Inventory (ControlNET)," Draft Report, September 1999, Office of Air Quality Planning and Standards, EPA.
- 4 "Controlling Nitrogen Oxides Under the Clean Air Act: A Menu of Options", STAPPA/ALAPCO, July 1994.
- 5 Draft document, "Strawperson - Control Option Evaluations," February 14, 1999, Texas Natural Resources Conservation

Commission.

- 6 Meeting the 15-Percent Rate-of-Progress Requirement Under the Clean Air Act: A Menu of Options", STAPPA/ALAPCO, September 1993.
- 7 "Technical Support Document for the Development of Proposed Federal Implementation Plan (FIP) Rules for Stationary Sources of Nitrogen Oxide Emissions in the Sacramento California Ozone Nonattainment Area", Final Draft, prepared for EPA Region 9, by E.H. Pechan & Associates, Inc.
- 8 US EPA. TTN Web. Unified Air Toxics Website: Rules & Implementation (**Website** - <http://www.epa.gov/ttn/uatw/eparules.html>)
- 9 California's Air Resources Board (**Website** - <http://www.arb.ca.gov/msprog/spillcon/gascanfs/gascanfs.htm>)
- 10 Smart Growth Network (**Website** - http://smartgrowth.org/index_frameset.html)
- 11 Arizona Department of Environmental Quality (**Website** - <http://www.adeq.state.az.us/air/plan/pop.html>)
- 12 Illinois Environmental Protection Agency. (**Website** - [http://www.epa.state.il.us/air/#Regulations and Compliance](http://www.epa.state.il.us/air/#Regulations%20and%20Compliance))
- 13 "Summary of State NOx RACT Rules," Final Report, September 29, 1995, Office of Air Quality Planning and Standards, EPA. (**Website** - <http://www.epa.gov/ttn/caaa/t1/memoranda/noxregsm.pdf>)

Table 12: Control Measures in the Ten Ozone Nonattainment Areas

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Atlanta, GA Area		
Georgia	<ul style="list-style-type: none"> • NOx RACT • VOC RACT • 7.0 RVP • AIM • I/M • Stage I • Stage II • Low sulfur fuel • Partnership for a Smog Free Georgia • NLEV • Heavy Duty Diesel • Small Engine Standards • Consumer and Commercial Products • Natural gas strategy at Yates & McDonough power plant 	None
Greater Connecticut Area		
Connecticut	<p>ROP plans through 1999 have been adopted.</p> <p>SPECIFIC MEASURES:</p> <ul style="list-style-type: none"> • Stage II vapor recovery • Reformulated gasoline - off-road and area sources • VOC RACT - all required CTGs adopted • Rule Effectiveness improvements to cutback asphalt and gas. loading racks • Auto Refinishing • AIM Coatings • Consumer Products • On-road mobile measures [Tier I, reformulated gasoline (phase I&II), high enhanced I/M, NLEV] • Off-road engine standards • OTC NOx MOU • NOx SIP call adopted 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Springfield, MA Area		
Massachusetts	<p>ROP plans through 1999 have been adopted; however, revised plans will be submitted to account for delayed start date for I/M programs.</p> <p>SPECIFIC MEASURES:</p> <ul style="list-style-type: none"> • Stage II vapor recovery • VOC RACT; all required CTGs adopted; non-CTG rule adopted but need some individual RACT determinations • AIM coatings • Auto Refinishing • Consumer Products • Reformulated gasoline for off-road vehicles • On-road Mobile Measures [high enhanced I/M, Tier 1, CA-LEV, reformulated gasoline (phase I&II), Traffic Flow Improvement] • Off-road engine standards • NOx RACT • OTC NOx MOU • NOx SIP call (State intends to adopt by 11/99) 	Non-CTG RACT for several individual VOC sources
Washington, DC Area		
District of Columbia portion	<ul style="list-style-type: none"> • All applicable VOC CTG rules • Generic non-CTG VOC RACT (will propose approval) • NOx RACT (proposed conditional limited approval) • Stage 2 gasoline vapor recovery • Open Burning Ban • Enhanced I/M • Degreasing • Lithography • OTC NOx MOU (implement by 5/99) • Reform Gas Phase 1 and 2 • Tier 1 Vehicle Standards & On-board refueling vapor recovery Standards • Federal Nonroad Small Spark Ignition Engine Standards • Federal Marine Engine Standards • Federal Locomotive Standards • Federal Non-road Diesel Engines • NOx SIP Call (adopt by 12/99, implement by 5/2003) • Federal AIM • Federal consumer products • Federal Autobody • NLEV (adopt & due to submit by 9/99, not submitted to EPA) 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Washington, DC Area		
Maryland portion	<ul style="list-style-type: none"> • All applicable VOC CTG rules • Generic non-CTG VOC RACT to 25 tpy (conditional limited approval) • Generic NOx RACT (conditional limited approval) • Degreasing • Autobody Refinishing • Landfills • OTC NOx MOU (implement by 5/00) • Stage I gasoline vapor recovery • NLEV • Bakeries • Degreasing • Marine Vessel Coatings • Polystyrene Production • Yeast Manufacturing • Jet Fuel Storage • Leather Coating • Screen Printing • Plastic Parts Coating • Graphic Arts & Lithography • Landfills • Fiberglass Production • Explosives Manufacture • Stage II gasoline vapor recovery • Open Burning Ban • Enhanced I/M (conditional approval) • Tier 1 Vehicle Standards & On-board refueling vapor recovery Stds • Federal Nonroad Small Spark Ignition Engine Standards • Federal Marine Engine Standards • Federal Locomotive Standards • Federal Non-road Diesel Engines • NOx SIP Call (adopt by 9/99, implement by 5/2003) • Federal AIM • Federal consumer products • Reformulated Gas - Phases 1 and 2 • TCMS 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Washington, DC Area		
Northern Virginia portion	<ul style="list-style-type: none"> • All applicable VOC CTG rules • Generic non-CTG VOC RACT to 25 tpy • Generic NOx RACT (conditional limited approval proposed 4/28/99) • Degreasing (will proposed full approval) • Graphic Arts • Landfills (under EPA review) • Stage 1 gasoline vapor recovery • Stage 2 gasoline vapor recovery • Open Burn Ban • TCMs • Enhanced I/M • Reformulated Gasoline Phase 1 & 2 • Tier 1 Vehicle Standards & On-board refueling vapor recovery Standards • Federal Nonroad Small Spark Ignition Engine Standards • Federal Marine Engine Standards • Federal Locomotive Standards • Federal Non-road Diesel Eng • Federal AIM • Federal Autobody • Federal consumer products • NLEV 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Baltimore, MD Area		
Maryland	<ul style="list-style-type: none"> • All applicable VOC CTG rules • Generic non-CTG VOC RACT to 25 tpy (conditional limited approval) • Generic NOx RACT (conditional limited approval) • Autobody Refinishing • Rule Effectiveness - Stage 1 Vapor Recovery • Stage 2 gasoline vapor recovery • Air Toxics • Enhanced I/M (conditional approval) • Municipal Waste Combustors (implement by 12/2000) • Reformulated Gasoline • Open Burn Ban • Bakeries • Degreasing • Marine Vessel Coatings • Polystyrene Production • Yeast Manufacturing • Jet Fuel Storage • Leather Coating • Screen Printing • Plastic Parts Coating • Graphic Arts & Lithography • Landfills • Fiberglass Production • Explosives Manufacturing • OTC NOx MOU (implement by 5/00) • NLEV • Tier 1 Vehicle Standards & On-board refueling vapor recovery Standards • Federal Nonroad Small Spark Ignition Engine Standards • Federal Marine Engine Standards • Federal Locomotive Standards • Federal Non-road Diesel Engines • NOx SIP Call (adopt by 9/99, implement by 5/2003) • Federal AIM • Federal consumer products 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Chicago, IL Area		
Illinois portion	<p>STRATEGY 2 Local Measures</p> <ul style="list-style-type: none"> • Enhanced I/M • TCMs • Reformulated Gasoline • RACT includes: <p>1) All Applicable CTG Categories 2) RACT Geographic Expansion to Counties Outside of Nonattainment Area 3) Lowered Source Size Cutoffs 4) TSDF RACT Phases I and II 5) Tightened RACT Standards for Coating Operations 6) Stage II Service Station Vapor Recovery 7) Underground Gasoline Storage Tank Breathing Controls 8) Auto Body Refinishing</p> <ul style="list-style-type: none"> • Coke Oven NESHAP • Coke Oven MACT • SOCM I NESHAP • Marine Vessel Loading • Plant Shut-Downs • Improved Rule Effectiveness <p>Federal Measures</p> <ul style="list-style-type: none"> • TITLE IV - Phase I/II • FMVCP - Tier I • National Energy Policy Act • Gasoline Detergent Additives • On-Board Controls • Off-Road Small Engine Standards 	Industrial Solvent Cleanup Regulations -- No Scheduled Adoption

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Chicago, IL Area		
Indiana portion	<p>STRATEGY 2</p> <p>Local Measures</p> <ul style="list-style-type: none"> • Enhanced I/M • Reformulated Gasoline • RACT includes: <ol style="list-style-type: none"> 1) All Applicable CTG Categories 2) Stage II Service Station Vapor Recovery 3) Non-CTG Generic RACT Rule 4) Auto Body Refinishing 5) VOL Storage Rule • Coke Oven Battery Shutdowns • Residential Open Burning Ban • Keil Chemical Agreed Order • Municipal Solid Waste Landfill Rule • Coke Oven NESHAP <p>Federal Measures</p> <ul style="list-style-type: none"> • TITLE IV - Phase I/II • FMVCP - Tier 1 • On-Board Controls • Off-Road Small Engine Standard 	Industrial Solvent Cleanup Regulations – No Scheduled Adoption

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Houston, TX Area		
Texas	<ul style="list-style-type: none"> • 15% Plan Reductions: <ol style="list-style-type: none"> 1) RACT catchups, 2) Stage II, 3) Rule effectiveness improvements, 4) I/M, 5) Reformulated gasoline, 6) SOCMR Reactor and Distillation, 7) AIM, 8) Consumer Products, and 9) Marine Vessel Loading • 9% Plan reductions: <ol style="list-style-type: none"> 1) NOx RACT, 2) Land fill controls, 3) Pulp and Paper controls 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Milwaukee, WI		
Wisconsin	<p>STRATEGY 2</p> <p>Local Measures</p> <ul style="list-style-type: none"> • Enhanced I/M • Employee Commute Options • Reformulated Gasoline • Yeast Manufacturing Cont. • Screen Printing Controls • Foundries - Grey Iron and Steel • Industrial Adhesives • Degreasing • RACT includes: <ol style="list-style-type: none"> 1) All Applicable CTG Categories 2) Stage II Service Station Vapor Recovery 3) Underground Gasoline Storage Tank Breathing Controls 4) Auto Body Refinishing <ul style="list-style-type: none"> • Reformulated Gasoline - Off-Road <p>Federal Measures</p> <ul style="list-style-type: none"> • TITLE IV - Phase I/II • FMVCP - Tier I • Gasoline Detergent Additives Rule • On-Board Controls • Off-Road Small Engine Standards 	<p>Plastic Parts Coating -- No Scheduled Adoption</p> <p>Industrial Solvents Cleanup Regulations -- No Scheduled Adoption</p>

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
New York City Metro Area		
Connecticut portion	<p>ROP plans through 1999 have been adopted.</p> <p>SPECIFIC MEASURES:</p> <ul style="list-style-type: none"> • Stage II • Reformulated gasoline - off-road and area sources • VOC RACT - all required CTGs adopted • Rule Effectiveness improvements to cutback asphalt and gas. loading racks Auto Refinishing • AIM Coatings • Consumer Products • On-road mobile measures [Tier I, Reformulated gasoline (phase I&II), high enhanced I/M, NLEV] • Off-road engine standards • OTC NOx MOU • NOx SIP call adopted 	<p>The following still needs to be completed: in 2000, CT has committed to submit ROP thru 2007.</p>

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
New York City Metro Area		
New Jersey portion	<ul style="list-style-type: none"> • All applicable VOC CTG rules • Generic non-CTG VOC RACT (used as a catch-all for remaining major sources) • Generic NOX RACT (used as a catch-all for remaining major sources) • Adhesives, AIM, Autobody Refinish, Bakeries, Batch processes, Consumer/Commercial • Degreasing, Glass forming, Graphic arts Rotogravure & flexographic • Highway paints • Industrial Wastewater • Landfills • Marine Vessel Loading • Offset Lithography • Pesticide application • Pharmaceuticals • POTW • Pulp and paper • Plastic Parts Coating • SOCM • Stage 2 • VOL Storage • Wood furniture coating • OTC NOx MOU • NOx SIP Call • Basic I/M • Enhanced I/M • Reform Gas - Phase 2 • Clean Fuels Fleet • TCM's • NLEV • Phase 2 small engines • Screen printing • Glass coating • Tablet coating • Leather coating • Concrete pipe coating • Gravure printing • VOC transfer operations • Chemical plant leak detection & repair • Tanker ballasting operations • Combustion controls - VOC • Alternate Fuel incentive program • Natural gas fueled buses 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
New York City Metro Area		
New York portion	<ul style="list-style-type: none"> • All applicable VOC CTG rules • Generic non-CTG VOC RACT (used as a catch-all for remaining major sources) • Generic NOX RACT (used as a catch-all for remaining major sources) • Aerospace, Autobody Refinish, AIM, Bakeries, Batch Processes • Coke By-Product • Coke Oven Batteries • Degreasing • Graphic Arts Rotogravure and Flex. Printing • Highway paints • Industrial Wastewater • Iron & Steel foundries • Landfills • Marine Vessel Load • Offset Lithography • Pesticides • Pharmaceuticals • Publicly owned treatment • Pulp and paper • Plastic Parts Coating • SOCM • Shipbuilding & repair • VOL Storage • Wood furn. Coating • Open Burning Ban • Stage 2 • TSDFs • OTC NOx MOU • Basic I/M • Enhanced I/M • Reform Gas - Phase 2 • NOx SIP Call 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
New York City Metro Area		
New York portion continued	<ul style="list-style-type: none"> • Federal Consumer/commercial products • Federal non-road engine standards • Vinyl surface coating • Urethane surface coating • Leather surface coating • Screen Printing • Municipal Waste Combustors • 500 MTA natural gas buses • LEV program augmented by ZEV mandate • Thrice annual taxi I/M • CNG taxi program 	None
Philadelphia, PA Area		
Delaware portion	<ul style="list-style-type: none"> • All applicable VOC CTG rules • Generic non-CTG VOC RACT • NOx RACT Regulation • Aerospace • Autobody Refinish • Batch Processes • Degreasing (Industrial Cleaning Solvents) • Landfills • Marine Vessel Load • Lithography • SOCM • Open Burning Ban • Stage 2 gasoline vapor recovery • OTC NOx MOU (implement by 5/1/99, will propose approval) • Tier I Vehicle Standards & On-board refueling vapor recovery Standards • Low Enhanced I/M • Reformulated gasoline - Phase 2 • Federal Nonroad Small Spark Ignition Engine Standards • Federal Marine Engine Standards • Federal Locomotive Standards • Federal Non-road Diesel Engines • Benzene waste rule • Federal AIM • Federal consumer products • NOx SIP Call (adopt by 1999, implement by 5/2003) • NLEV 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Philadelphia, PA Area		
Maryland portion	<ul style="list-style-type: none"> • All applicable VOC CTG rules • Generic non-CTG VOC RACT to 25 tpy (conditional limited approval) • Generic NOx RACT (conditional limited approval) • Autobody Refinishing • Rule Effectiveness - Stage 1 Vapor Recovery • Stage 2 gasoline vapor recovery • Air Toxics • Enhanced I/M (conditional approval) • Municipal Waste Combustors (implement by 12/2000) • Reformulated Gasoline • Open Burn Ban • Bakeries • Degreasing • Marine Vessel Coatings • Polystyrene Production • Yeast Manufacturing • Jet Fuel Storage • Leather Coating • Screen Printing • Plastic Parts Coating • Graphic Arts & Lithography • Landfills • Fiberglass Production • Explosives Manufacturing • OTC NOx MOU (implement by 5/00) • NLEV • Tier 1 Vehicle Standards & On-board refueling vapor recovery standards • Federal Nonroad Small Spark Ignition Engine Standards • Federal Marine Engine Standards • Federal Locomotive Standards • Federal Non-road Diesel Eng • NOx SIP Call (adopt by 9/99, implement by 5/2003) • Federal AIM • Federal consumer products 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Philadelphia, PA Area		
New Jersey portion	<ul style="list-style-type: none"> • All applicable VOC CTG rules • Generic non-CTG VOC RACT (used as a catch-all for remaining major sources) • Generic NOX RACT (used as a catch-all for remaining major sources) • Adhesives, AIM, Autobody Refinish, Bakeries, Batch processes, Consumer/Commercial • Degreasing, Glass forming, Graphic arts Rotogravure & flexographic • Highway paints • Industrial Wastewater • Landfills • Marine Vessel Load • Offset Lithography • Pesticide application • Pharmaceuticals • POTW • Pulp and paper • Plastic Parts Coating • SOCM • Stage 2 • VOL Storage • Wood furniture coating • OTC NOx MOU • NOx SIP Call • Basic I/M • Enhanced I/M • Reform Gas - Phase 2 • Clean Fuels Fleet • TCM's • NLEV • Phase 2 small engines • Screen printing • Glass coating • Tablet coating • Leather coating • Concrete pipe coating • Gravure printing • VOC transfer operations • Chemical plant leak detection & repair • Tanker ballasting operations • Combustion controls - VOC • Alternate Fuel incentive program • Natural gas fueled buses 	None

Nonattainment Area, State	Measures Adopted or Scheduled for Adoption	CAA Required Measures Not Adopted or Scheduled
Philadelphia, PA Area		
Pennsylvania portion	<ul style="list-style-type: none"> • All applicable VOC CTG rules • Generic non-CTG VOC RACT (conditional limited approval) • Generic NOx RACT (conditional limited approval) • Shutdowns • Rule Effectiveness Improvement • Stage 2 gasoline vapor recovery • OTC NOx MOU (implement by 5/99, proposed approval) • Enhanced I/M • Reformulated Gasoline • NLEV (submitted 3/99, phase-in starting with 1999 model year) • Tier 1 Vehicle Standards & On-board refueling vapor recovery Standards and On Board Vapor Recovery • TSDF controls • Federal Nonroad Small Spark Ignition Engine Standards • Federal Marine Engine Standards • Federal Locomotive Standards • Federal Non-road Diesel Eng • NOx SIP Call (adopt by 9/99, implement by 5/2003) • Federal AIM • Federal Autobody • Federal consumer products 	None